Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

Volume 137
Number 8

SINCE 1871

FEBRUARY 19, 1940

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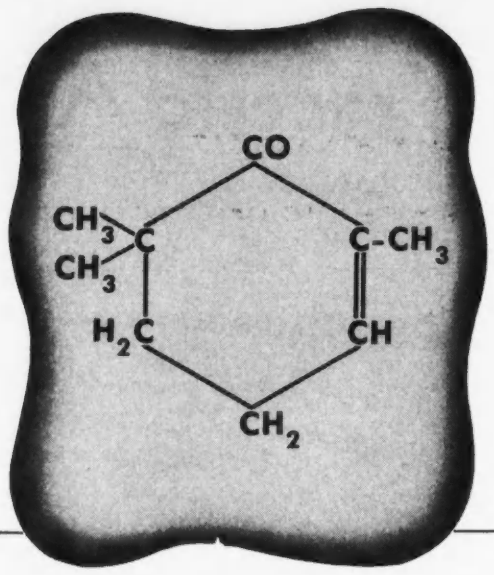

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Member: Audit Bureau of Circulations

Volume 137 | February 19, 1940 | Number 8

Reporter's Nationwide Business Survey Shows Chemical Activities Maintained

Production and Sales Kept Up with General Industrial Pace in Final Quarter of 1939—Prices Advanced—Stocks Cut

Sales of chemicals, oils, and drugs continued to increase during the last quarter of 1939, but, in common with industry as a whole, these divisions found the high note a bit flatted at the end of the year. Great expectations from abnormal conditions had not been realized to the extent which had been anticipated in some quarters. The flow of goods from raw materials to ultimate consumer diminished through the successive channels. Inventories took up a substantial proportion of the goods bought at each stage of distribution. Fears having been somewhat quieted and speculation having run into slow going, the movement of materials at the close of the year was almost back to what could have been expected in the light of the normal increase in general activity that had been evident earlier in the year.

The chemical, oil, and drug industries could have done a bigger business during the last quarter of the year; but it is doubtful that it could have done a better business. What might have been gained in volume would, in large part, have been obtainable at doubtful credit risks or with the probability that the goods sold would later find their way out of warehouses and disrupt the normal markets. There is more than a small quantity of certain materials in expectant hands, and the future of these holdings is a cause of some concern. Such conditions can have a substantial influence on the attitude of businessmen normally and wisely opposed to war booms, and it goes without saying that this opposition so sincerely voiced by many prominent business leaders is not shared by all businessmen. The profit motive functions in a great variety of human traits.

The activity of the chemical, oil, and drug industries in the final quarter of 1939 was larger and better on the whole than that in the corresponding period in 1938 when the ground lost in 1937 had just about all been regained. Sales by these industries, according to records submitted for the REPORTER'S survey of the fourth quarter, exceeded those in the 1938 period by 22.9 percent in volume and 30.1 percent in value. The largest gain was shown by heavy chemicals; the smallest, by fertilizer materials. No division failed to show a gain over the 1938 quarter. The records for these industries were better than the general average.

Production of chemicals, oils, and drugs in the fourth quarter of 1939 ran 17.9 percent ahead of that in the corresponding period in the preceding year. The best showing in this regard was made by oils, fats, and waxes. The smallest gain was reported for heavy chemicals. Production of botanicals and of fertilizer materials was less than that in the 1938 quarter.

The increase in sales being larger than that in production, manufacturers' inventories at the end of the year were 1.3 percent smaller than they had been a year earlier. The biggest reduction was made in botanical drugs, spices, and gums; the smallest, in paint, varnish, and lacquer materials. Inventory gains over the year before were reported in heavy chemicals, materials for the textile and leather industries, and essential oils. In the matter of disposing of their goods, producers of chemicals, oils, and drugs fared far better than manufacturers as a whole, inventories in general showing an increase of 7.5 percent over their December 31, 1938, volume. At the next stage of distribution—the wholesale division—goods had accumulated more in certain chemical lines than in wholesale trade as a whole, but the group was less heavily laden.

Prices of chemicals, oils, and drugs were further advanced during the fourth quarter, and at the end of the year they averaged 10.3 percent higher than they had been a year earlier. This increase was substantially larger than that in prices of commodities in general. The increase of 2.8 percent during the fourth quarter also was larger than that in general commodity prices. Over both the quarter and the year, the largest increase was made in prices of botanical drugs, spices, and gums. Stringency of supplies, at least of further supplies, because of disrupted connections with foreign sources, was the reason for this group's distinction. The smallest price increase over the year was made in heavy chemicals; but prices of these materials were advanced a trifle more than those of materials for the

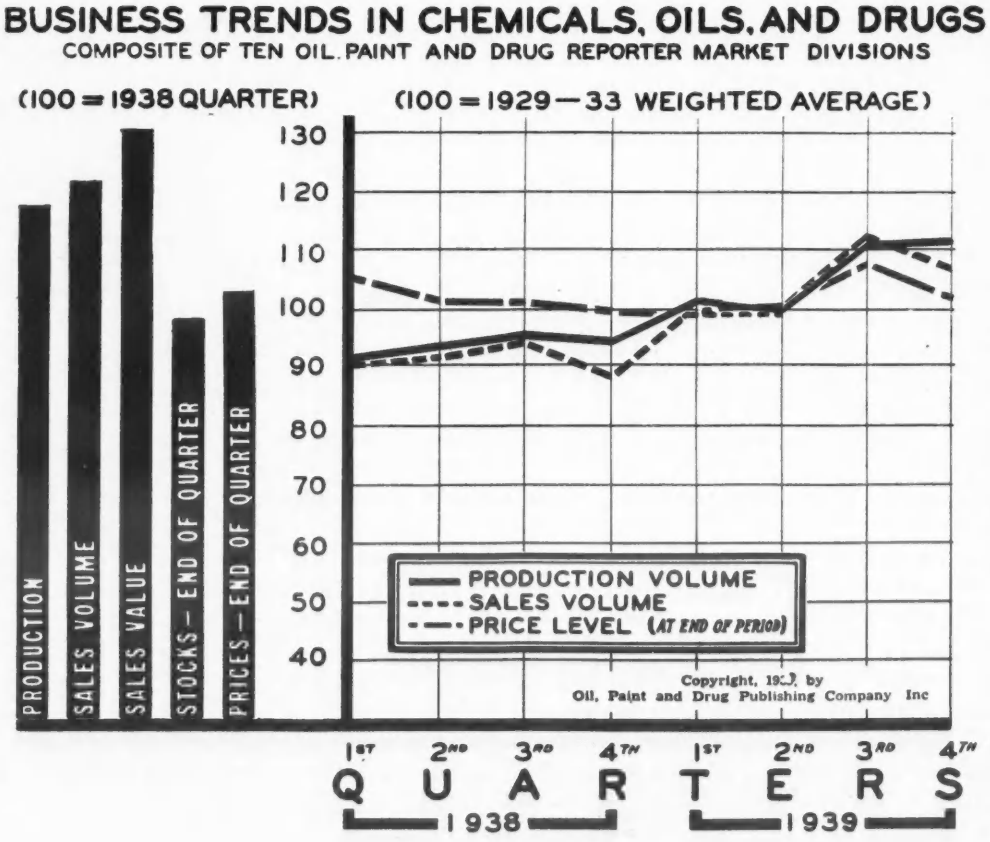
—Turn to page 28

Chemicals, Oils, Drugs

Conditions: 4th Quarter and Year, 1939

(100 = Corresponding period in 1938)

Production, year	113.8
Fourth quarter	117.9
Employment (fourth quarter)	106.6
Factory payrolls (fourth quarter)	112.0
Sales volume, year	118.3
Fourth quarter	122.9
Sales value, year	122.7
Fourth quarter	130.1
Stocks on hand (December 31)	98.7
Prices (December 31)	110.3
Exports (1939—$699,397,959)	116.1
Imports (1939—$323,547,956)	104.9
Credit conditions	Slightly better
Outlook	Brighter



Closing Markets

London Closing Cable

LONDON, Feb. 16, 1940

Beeswax quoted at 175s. per hundredweight; sulphate of ammonia, £9 3s., February delivery. March-June delivery, £9 6d. per ton.

Tetrachloride of Tin Easier

Anhydrous tetrachloride of tin declined ¼c. to 22¾c. late in the week. Other tin derivatives were unchanged, but barely steady. Straits metal was quoted at 45⅛c. per pound.

Cottonseed Oil Steadier

Refined cottonseed oil futures were quiet on Friday but the tone was steadier, prices showing an upward trend at times. Final prices were 3 to 5 points higher than at the close on the previous Friday, May ending at 7.16c., and July 7.29c. Stocks of hogs on U. S. farms January 1, according to official statistics, were 58,312,000 head against 49,293,000 head a year ago and 44,218,000 head two years ago.

Copper Demand Heavy

Demand for copper in both domestic and export sources was in good volume late last week. There were reports that no metal was available in domestic dealings under 11¼c. per pound, delivered, Connecticut Valley base. In export sections prices remained firm at levels where it still remained more profitable for U.S. origin copper to be sold when compared to the current domestic price. For current month to date domestic sales aggregated 28,172 tons, against 15,204 in the corresponding period of January.

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Tallow:—The French government has suspended import duties on tallow until June 30, 1940.

Turpentine.—According to a government decree dated November 14 the Belgian Minister of Economic Affairs placed the export and transit of gum spirits of turpentine, rosin, and natural gums under license.

Venereal Medicinal. — Importation into Jamaica of medicinals and appliances designed for the prevention, cure or relief of venereal diseases is subject to permit.

Veterinary Preparations:—The application of the Brazilian regulations for the registration veterinary preparations has been postponed for one year for products coming from countries which do not maintain an official inspection service.

Vitamin concentrates:—Vitamin concentrates imported into Canada for use in fortifying the vitamin content of Canadian fish oils are now duty free. Formerly these products were dutiable at 20 percent.

Marketing Law Div. Setup Sought by Rep. Celler

OPD Washington Bureau
February 14, 1940

A Marketing Laws Division would be set up in the Bureau of Foreign and Domestic Commerce under the terms of a resolution introduced in the house by Representative Emanuel Celler, New York. The proposed division would take over and carry on the work of the Marketing Laws Survey which under present law operates under the sponsorship of the Commerce Department but is financed by the Works Projects Administration and which expires June 30, 1940.

Fumaric Acid Made by Pfizer

Charles Pfizer & Co., chemical manufacturer, this city, has started commercial production of a technical grade of fumaric acid by an entirely new process. The acid is offered at prices considerably below the old level, and this is expected greatly to expand its use in the plastics and other consuming trades.

The company at present is on partial production basis, but will accept orders for one-ton delivery at 24 cents per pound; smaller quantities are offred at 25 cents per pound. Quotations are f.o.b. works. The material is packed in 325-pound barrels.

Chemical Price Trend Indefinite

The price movement in the markets for heavy and fine chemicals last week was relatively slight, and it had no definite trend, although pointing a trifle downward. Corn derivatives were higher.

Conditions were without significant change, but it was apparent that consumers were beginning to feel that they had sufficiently reduced their inventory surpluses of materials, and the end of slackened buying was looked for.

Prices were advanced on cornstarch, tanner's corn sugar, corn dextrin, corn syrup, Straits tin, tetrachloride of tin, strontium chloride, and New Zealand casein.

Prices were reduced on menthol, santonin, gum turpentine, domestic and Argentine casein, copals, dammars, bonedry shellac, and dried blood.

The REPORTER's composite index number of prices for heavy and fine chemicals was not measurably changed from its high of 128.9 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 91.2 compared with 88.9 at this time last year and 89.7 in 1938.

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Retail Price Pacts Banned by F.T.C.

Resale price maintenance by agreement and threats of boycott are among practices prohibited by the Federal Trade Commission in an order to cease and desist issued against six Washington wholesale liquor dealers, a wholesale and a retail trade association, and the secretary of the latter association.

The D. C. Exclusive Retail Liquor Dealers Association, Woodward Building, is an incorporated trade association of retail liquor dealers with approximately 175 members, operating licensed retail liquor stores selling packaged liquors. Wholesale Liquor Dealers of Washington, Investment Building, is a voluntary mutual association which had, when the complaint was issued, a membership of fourteen wholesale liquor dealers, including the respondent wholesalers. Each organization is found to have been engaged in attempting to procure national legislation and other regulations deemed to be beneficial to its members, and in enforcing observance by its members and others of price maintenance policies with respect to the sale of alcoholic beverages.

The commission finds that to carry out their resale price maintenance policies, the respondent wholesale dealers entered into unlawful contracts, agreements and understandings with the retail dealers, and that, pursuant to such contracts and agreements, for the purpose of maintaining uniform minimum resale prices of alcoholic beverages sold by various retail dealers in the District of Columbia, the respondent wholesalers, their association, the retailer association and its members appointed committees and joint committees to confer with the respondent associations, and by means of unlawful pressure, influence, coercion, boycotts and threats of

—Continued on page 51

Standard Brands Drug Div. Headed by Bowman

The recently organized pharmaceutical division of Standard Brands, Inc., this city, is under the management of Charles L. Bowman. Known throughout the food and pharmaceutical fields as a specialist in vitamin B complex, Mr. Bowman was formerly vice-president of the International Vitamin Corporation, this city. He was the founder of the Vitab Products Company, pioneer vitamin manufacturer.

Blackstone Studios

Charles L. Bowman

The new division of Standard Brands inaugurates a greatly expanded manufacturing program of the company on vitamin and allied products which will be sold direct to manufacturers and distributors of food and drug products.

Export Managers Club To Discuss War Insurance

The Export Managers Club will hold a luncheon-meeting in the Hotel Pennsylvania, this city, February 20. William D. Winters, chairman of the American Cargo War Risk Reinsurance Exchange, will address the club on war insurance problems.

Research Determines Industrial Progress

Modern industry looks for its future development, not to the expansion of land frontiers or new sources of raw materials, but to the creation through research of new products from existing materials. This was the premise of William B. Bell, president of the American Cyanamid Company, and Dr. E. C. Williams, director of research and vice-president of the Shell Development Company, in a discussion of "The Executive and the Technologist" at a meeting February 16 of the American section of the Society of Chemical Industry, in this city.

In their discussion of the topic from the respective viewpoints of executive and technologist, Mr. Bell and Dr. Williams made the following points:—

It is well to consider, not only in whose hands the research potentialities for change lie and how competent those hands are to control them, but to what extent there is unity of outlook between them and the business executives. Complete understanding between top executives and research leaders is most necessary.

While there is a trend toward bringing technical men into leading executive positions, there will be an interim during which the more traditional type of executive and the research leader will have to make special effort to get together mentally. It would be too conservative to assume that executives think only of money and that technical men are theoretical and impractical. The successful executive devotes much atten-

—*Continued on page* 35

Lead Tolerance For Cosmetics Waits

OPD Washington Bureau
February 15, 1940

Discussion of tolerances for lead and arsenic in titanium dioxide and other ingredients of cosmetics continues to concern the trade, but the Food and Drug Administration is adhering to its previously announced position that at present it does not have sufficient information on which to establish such tolerances.

The F.D.A. position was recently restated in a letter by Walter G. Campbell, chief of the Food and Drug Administration, in reply to a request that the administration set a tolerance for lead and arsenic in cosmetic ingredients provided they are used in such concentration that the final cosmetic contains less than 20 parts per million of lead and 2 parts per million of arsenic, these being the tolerances set for coaltar colors for cosmetic use. In reply, Mr. Campbell stated:—

The administration has been importuned to set up general tolerances for impurities like arsenic and lead in finished cosmetics but has been obliged to refuse to do so because of lack of data so far available upon the effect of such impurities when applied externally as in the case of cosmetics. The only exception has been in the case of coaltar colors where the tolerance applying to certified colors have been set by regulation in recognition of the fact that the finished cosmetics will contain comparatively small proportions of dyes.

Administratively we recognize that there is less hazard involved in the presence of a certain amount of lead, for example, in a cosmetic constituent than

—*Continued on page* 56

G.W. Carver Donates $33,000 for Research

Tuskegee, Ala., Feb. 13, 1940

Dr. George Washington Carver, Negro scientist of Tuskegee Institute, today donated $33,000 in cash and government bonds to a foundation to perpetuate research in creative chemistry. Dr. Carver said he was giving this sum because he believed that experimentation along the lines of soil building and the utilization of waste, as well as the finding of new uses of native products, represented an important approach to the solution of the economic ills of the South and the nation.

The foundation will also be asked to preserve the Carver Museum at Tuskegee Institute. The museum constitutes an extensive exposition of the uses of native materials in hundreds of useful articles. It will also house 100 paintings by Dr. Carver.

Insecticide License Fee Asked in N.Y. Bill

Albany, February 15, 1940

Under the provision of a bill (No. 1322) introduced in the Assembly by Howard N. Allen, Republican, of Dutchess county, and referred to agriculture committee, present article II is repealed and a new article II added in its place to the agriculture and markets law changing definition of insecticides and fungicides and prohibiting sale or advertising for sale unless material is licensed by agricultural commissioner, fee for license to be $2 per product a year, and principal uses of material to be shown on label with percentage of ingredients; prohibits adulteration and misbranding and provides for inspection and examination by New York State Agricultural Experiment station.

Augusta Chain Store Tax Held Unconstitutional

Atlanta, Ga., Feb. 13, 1940

The Georgia Supreme Court today held that the chain-store tax enacted by the City Council of Augusta, Ga., was unconstitutional. The Augusta ordinance called for a tax of $6 to $1,200 per unit, depending upon the number of stores operated, either within or outside of Augusta, by a chain. The court recently held illegal a similar tax imposed by the Columbus, Ga., City Council.

Oil Bulk Plants Are Subject to Iowa Chain Tax

The defining of bulk plants of oil companies as coming within the scope of the Iowa chain store act has been accepted by thirteen oil companies operating such plants in that State. In consenting to the decree of the Federal District Court, after four years of litigation, the companies will be required to pay more than $600,000 in back taxes. The decree defined bulk plants as "stores," particularly where sales of gasoline and other petroleum products are made directly to consumers. The companies had contended that the plants were instruments in interstate commerce.

Research Results Reviewed At Mining Institute Meeting

Development of new methods and processes in the field of mining and metallurgy constituted the subjects of discussion at the annual meeting of the American Institute of Mining and Metallurgical Engineers, held in the Engineering Societies building, this city, February 12 to 16. Herbert G. Moulton, consulting engineer here, was formally inducted as president, succeeding Donald B. Gillies, vice-president of the Republic Steel Company. Other officers elected were:—

Vice-presidents, E. V. Daveler, of the Utah Copper Company; W. Peirce, chief research engineer for the New Jersey Zinc Company; secretary (re-elected), A. B. Parson. New directors elected were:—H. J. Brown, consulting engineer, Boston, Mass.; F. A. Wardlaw, jr., assistant general manager of the Inspiration Copper Company, and F. E. Wormser, secretary-treasurer, of Lead Industries Association. Directors re-elected were:—J. W. Boutwell, mining engineer, Salt Lake city; E. Eilers, mining engineer, this city, and H. S. Mudd, of the Cypress Mining Company, Los Angeles, Calif.

Manganese has long been considered one of the United States' most important strategic raw materials, F. S. Norcross, jr., president and manager of the Cuban Mining Company, a subsidiary of the Freeport Sulphur Company, told the meeting. Its indispensability in steel manufacture makes it vital to the nation's industrial life, he said, and coupled with this indispensability is the fact that domestic producers have not been able as yet to supply more than a small part of the nations' manganese needs; consequently the United States has had to depend upon such distant foreign sources as the U.S.S.R., British India, the African Gold coast and Brazil for the major portion of its ore.

The great bulk of the mineral, Mr. Norcross explained, is consumed in the form of ferromanganese, an alloy that averages 80 percent manganese and 20 percent mainly iron and carbon. Manganese is used as a deoxidizer and desulphurizer in steel manufacture. By combination with the residual oxygen and sulphur of the bath, he said that it helps to produce a clean, sound metal. Approximately fourteen pounds of manganese, it is estimated, is used in making one ton of steel.

For standard grade ferromanganese, Mr. Norcross stated that the ore should have a minimum of about 48 percent manganese, preferably more. Beneficiation methods have not ye been developed for making the immense low-grade deposits in the United States salable at prevailing prices, he added.

Dependence upon foreign source thrust the United States into serious difficulties during the last World War, Mr. Norcross said. At the start of

—*Continued on page* 35

Drug Club Elects To Board of Governors

The annual meeting and the election of the board of governors of the Drug and Chemical Club was held

Victor E. Williams

February 15 in this city. Elected to serve on the board of governors for a three-year term were:—Victor E. Williams of the Monsanto Chemical

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Textile Chemists Ass'n Discusses New Finishing Ingredients

Greenville, S. C., Feb. 10, 1940

The Winter meeting of the Piedmont section of the American Association of Textile Chemists and Colorists was held in the Poinsett hotel here today. Dr. James S. Long, of Devoe & Raynolds Company, was the principal speaker at the banquet.

The technical session was opened by an address by Dr. G. P. Vincent, of Mathieson Alkali Works, Inc., who discussed "Textone—A New Oxizing Agent for the Treatment of Textiles." Dr. Vincent said that "Textone" was an oxizing agent containing upward of 80 percent soda chlorite having the chemical formula, $NaC10_2$, and, he added, although it differs from the active agent in chemic, soda hypochlorite, only by the addition of one more atom of oxygen in the molecule, their properities were surprisingly dissimilar. He went on to say that, although the oxizing value of "Textone," when calculated as available chlorine, is approximately 130 percent, unlike soda hypochlorite, it liberates chlorine dioxide when acidified rather than free chlorine whose destructive action on cellulose, he added, was only too well known.

The scope of the application of "Textone" in textile finishing operations, Dr. Vincent said, is well illustrated by the fact that advantage is also taken by the slow oxizing action on "Textone" on the extreme alkaline side to use it in kiering solutions. He explained that under kiering conditions it exerts an effective desizing action on the load and otherwise promotes an even circulation through the load. For this use, he said that from one to two pounds of "Textone" for each 1,000 pounds of goods is added to the caustic make-up tank, the amount, he said, was dependent upon the type of goods in the load, the efficiency of the kier and the purpose for which the "Textone" is intended. No changes in the operation of the kier are necessary, he concluded.

W. W. Trowel, of the synthetic division of the Hercules Powder Company, Wilmington, addressed the meeting on "Semi-Rosin Finishes for Cotton Piece Goods." Mr. Trowell stated that despite the fact synthetic resins have been used for some time for certain selected applications of textile finishing, only recently have synthetics been combined with orthodox finishing ingredients to obtain semi-resin finishes.

This development, Mr. Trowell said, has been made possible by the introduction of the new type of semi-plastic resins which show exceptional compatibility with starches, softeners, mineral oil, waxes, gum gelatin, latex, sulphonated oils, and other materials commonly used in finishing. He said that these thermoplastic semi-resin finishes have been adopted by textile mills largely for the following reasons:—

They replace waxes, gums and other agents used to bind the filler to the cloth, thus simplifying formulae and inventories, and eliminates dusting; are more translucent; make possible a thicker finish without sacrificing pliability; do not require overloading with starch to retain fillers; are more uniform, crack less easily, and yield brighter shades; are better filled and therefore have better hand and appearance; and simplify the processing of varied construction of cloth in the mill. He said also that there is no danger of undesirable odors developing, and their ease of application, he concluded, does not make necessary a change in present mill equipment.

Paint Rates to Be Lowered By Western Railroads

OPD Washington Bureau
February 14, 1940

The National Paint, Varnish and Lacquer Association is in receipt of an announcement of the conclusion of the Southwestern General Traffic Committee to amend their record in docket 18132 to concur with the recommendation of the Western Trunk Line Freight Traffic Managers' Committee in No. E-35-72.

The Western Trunk Line Freight Traffic Managers' Committee recommended the establishment of fifth-class rates on paints, varnishes, lacquers, and an extended list of related items, pigments, oils, etc., subject to a minimum of 20,000 pounds—currently

—*Continued on page* 43

N.P.V.L.A. Southern Zone Program Is Completed

The program for the Southern zone conference of the National Paint, Varnish and Lacquer Association, to be held at the Atlanta-Biltmore hotel, Atlanta, Ga., February 22, has just been completed. The conference will be opened with an address by President Ernest T. Trigg. "Merchandising and Installment Payments" will be discussed by F. B. Schaefer, of Chicago. Don Hobart, of the Curtis Publishing Company, will talk on "The Paint Market." A talk on "Drying Oils" will be given by Dr. Henry A. Gardner, director of the scientific section of the National Paint, Varnish and Lacquer Association. There will also be a stage presentation on "Styling With Paint."

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Current Market Quotations

February 16, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED FEB 19 1940

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .55
Acetone, CP, dms., c.l., dlvd..lb. .07¼- —
l.c.l., dms., dlvd.....lb. .07¾- —
tanks, dlvd.....lb. .05¾- —
Methyl (see M).
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.28 - 2.48
cbys.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys..100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys.....100 lbs. 3.78 - 4.03
28%, bbls.....100 lbs. 3.66 - 3.91
cbys.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd., ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -128.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -118.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -133.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00

USP, $25 per ton higher.

Acid, butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caporic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17 - .17½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
dms., smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10¾- .11¼
Corn, dist., dms.....lb. .10 - .10¾
Cottonseed oil, dist., dms....lb. .09½- .10
tanks.....lb. .09 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (56%, 210°-215°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
imported, pale, dms...gal. .70 - .75
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S...gal. .40 - —
l.c.l., same basis....gal. .41 - .43
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis....gal. .47 - .48
tanks, dlvd. East U.S..gal. .448 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., f.o.b. works, c.l..lb. .10¾- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1 ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - —
Gallic, tech., bbls.....lb. .75 - .78
N. F., VI, bbls., 200 lbs., 5 or more..lb. .92 - —
single bbls.....lb. .95 - —
fib, dms., 25 lbs.....lb. 1.01 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
lead cbys.....lb. .08 - .08½
48%, lead cbys.....lb. .10½- .11
52%, lead cbys.....lb. .11½- .12
60%, lead cbys.....lb. .14 - .14½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10¼- .11½
plastic grade.....lb. .12¼- .13½
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .14 - .14½
Laurent's, bbls.....lb. .45 - —

Acid, linseed oil, dark, dms..lb. .13 - .13½
light, dms.....lb. .14 - .14½
extra white, dist., dms...lb. .14½- .15
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
dms., l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 1.90 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085-.009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls... lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
cryst., gran., bbls., car lots.lb. .21 - —
6-lb. bots.....lb. .18¾- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .18¼- .18¾
Naphthenic, dom., acidity, 160, dms., c.l., works..lb. .11 Nom.
l.c.l., dms., works.....lb. .11½ Nom.
tanks, works.....lb. .10½ Nom.
200-220, dms., c.l., works..lb. .09½ Nom.
l.c.l., dms., works.....lb. .10 Nom.
tanks, works.....lb. .09 Nom.
240, dms., c.l., works.....lb. .14 Nom.
l.c.l., dms., works.....lb. .14½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works....100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works....100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works....100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .08 - .08½
tanks.....lb. .07½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1,710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1,347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 Nom.
cns.....lb. 1.10 Nom.
USP, cryst., cns.....lb. 1.55 - —
resubl., cns.....lb. 2.10 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split), tech., dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, distl., double pressed, bgs., dlvd..lb. .12 - .13
single pressed, bgs., dlvd.lb. .11½- .12½
triple pressed, bgs., dlvd..lb. .14¾- .15¾
saponif., double pressed, bgs., dlvd..lb. .12¾- .13¾
triple pressed, bgs., dlvd..lb. .15½- .16½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.. ...lb. .04 - .10

Acid, sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9 works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. Works..... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .08½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms....lb. .44 - .46
USP, fluffy, bbls., 1,000-lb. lots..lb. .88 Nom.
100-lb. lots.....lb. .90 Nom.
25-lb. lots.....lb. .93 Nom.
powd., bbls., 1,000 lbs.....lb. .78 Nom.
smaller lots.....lb. .80 Nom.
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment, lb. .35¼- —
smaller quantities.....lb. .35¾- —
kgs.....lb. .36¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., wks....lb. No prices
Chem. grade, kgs., wks....lb. No prices
Aconite leaves, bls.....lb. .28 - .30
Root, bls.....lb. .38 - .40
Aconitine, amorph., bots.....oz.23.00 - —
vls.....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls.....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar 1, bls.....lb. 1.45 - 1.50
3, bls.....lb. No prices
Agaric, white, bls.....lb. No prices
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .57 - .60
dom., powd., dms., bbls., lb. .62 - .65
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt.alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cns.....lb. .68 - —
drums.....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16¼
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
Contract prices 1c. per gal. less.
Secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms., lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks.....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works...gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works....gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —
Anhydrous 3c. per gal. higher.
SD-2B., dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E., works.....gal. .20½- —
SD23-G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks.....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Alcohol—Black, Bone

Alcohol, special solvent, dms., c.l., E. works..gal. .29½ - —
20 dms., E. works..gal. .31½ - —
1 to 19 dms.....gal. .34½ - —
tanks, E. works.....gal. .23½ - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l.,divd..lb. .12 - —
l.c.l., divd.....lb. .12½ - —
cns., works.....lb. .16½ - .18½
tanks, divd.....lb. .11 - —
tech., dms., c.l., divd.....lb. .11½ - —
l.c.l., divd.....lb. .12 - —
cns., works.....lb. .16 - .19
tanks, divd.....lb. .10½ - —

Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.65 - —
19 bbls. .....gal. 4.58½ - —
1 to 18 bbls.....gal. 4.61½ - —
dms., c.l.....gal. 4.54 - —
19 dms. .....gal. 4.57½ - —
1 to 18 dms.....gal. 4.60½ - —
tanks .....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½ - —
19 dms. .....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —
Grain alcohol 25c. gal. higher.

Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .23 - —

Isoamyl, primary, dms., l.c.l., divd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b., dest..gal. .65 - —
55 gal. c.l., same basis, gal. .33½ - —
l.c.l., same basis....gal. .38½ - —
tanks, frt., alld.....gal. .28½ - —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis....gal. .41 - —
tanks, same basis.....gal. .31 - —

Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.50 - 3.55
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis....lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —

Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., divd., lb. .17 - —
smaller containers.....lb. .20 - —

Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —

Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).

Alkanet root, bgs.....lb. .22 - .28
Aloe, Cape, cs.....lb. .20 - .21
Curacao, cs.....lb. .44 - .45
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .40 - .45

Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —

Alphanaphthol, bbls.....lb. .32 - —
Alphanaphthylamine, bbls.....lb. .32 - —

Althea root, USP, cube cut, bbls., lb. .43 - .50
peeled, bls.....lb. .47 - .49

Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
divd. N. Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
divd. N. Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
divd. N. Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; divd. N. Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.75 - —
divd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
divd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
divd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .08¼ Nom.

Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00

Alumina acetate, 20%, normal solut., bbls., c.l., divd..lb. .07½ - —
l.c.l., divd.....lb. .09 - —
52%, basic solut., bbls., c.l., divd..lb. .10 - —
l.c.l., divd.....lb. .12 - —
basic powd., bbls., divd...lb. .40 - —
smaller containers, divd., lb. .50 - —

Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½ - —
solution, 32 deg., cbys., c.l., works..lb. .02¾ - —
l.c.l., cbys., works.....lb. .03¼ - —

Formate, 30%, solut., bbls., c.l., divd..lb. .13 - —
l.c.l., divd.....lb. .15 - —

Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½ - —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., divd.....lb. .12 - —
l.c.l., bgs., divd.....lb. .12½ - —
bbls., c.l., divd.....lb. .12½ - —
l.c.l., bbls., divd.....lb. .13 - —

Oleate, dms., contract.....lb. .17½ - —
open order.....lb. .17½ - .20
Palmitate, precip., bbls.....lb. .20½ - .21½
Resinate, precip., dms., divd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l. .....lb. .20 - —

Alumina, sulphate, com'l, bgs., c.l., works, frt. equaled. 100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.45 - —
l.c.l., works.....100 lbs. 1.70 - —
bbls., c.l., works...100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 1.90 - —

Aluminum 98-99%, c.l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .63 - —
ink, dms., 1,500 lbs.....lb. .73 - —
standard, dms., 1,500 lbs..lb. .40 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs. lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .40 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz. 17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25

Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., divd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½ - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., divd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 20°, cbys.....lb. .05½ - —
dms., c.l. .....lb. .02½ - —
l.c.l. .....lb. .02½ - —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —

Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —

Bicarbonate, bbls., divd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —

Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½ - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —

Carbonate, lump, bbls., divd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½ - —
powdered, 1c. per lb. higher.

Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —

Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
lime, ex vessel Atl. or Gulf ports for Feb. delivery, ton. 28.50 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½ - —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. No prices
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07½ - —
l.c.l. .....lb. .09 - .10

Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., bbls., ex-dock N.Y..lb. .12½ Nom.
Stearate, anhydrous.....lb. .24½ - —
paste .....lb. .06½ - —
Sulphate, dom., bulk, c.l., f.o.b. shipt..ton. 28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., divd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, divd.....lb. .07½ - —
red, 48%, cbys., works.....lb. .07½ - —
dms., works.....lb. .05½ - —
yellow, 33%, cbys., works..lb. .07½ - —
dms., works.....lb. .05¼ - —

Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —

Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, cake, ...100 lbs. No prices

Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .12½ - —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .11½ - —
cns., works.....lb. .17 - .19

Amyl, acetate, ex pentane, dms., c.l., frt. alld..lb. .10½ - —
l.c.l., frt. alld.....lb. .11½ - —
tanks, frt. alld.....lb. .09½ - —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots., 25 dms., l.c.l., works..lb. .26 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .28 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.05 - 1.15

Angelica root, dom., bls.....lb. .23 - .24
import, natural, bls.....lb. .70 - .75
twisted bls.....lb. .95 - 1.25
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½ - —
Salt, dms., works.....lb. .22 - .24

Anise, Mexican, bgs.....lb. .13½ - .14
Spanish, bgs.....lb. .28 - .29
Star, bgs.....lb. .15¾ - .16¼
Anisic aldehyde, bots.....lb. 2.65 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½ - .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —

Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .18 Nom.
Oxide, bgs., c.l.....lb. No price
l.c.l. .....lb. No price
Salt, 65%, kgs.....lb. .42 Nom.
White pigment, bgs., f.o.b. Laredo, Tex..lb. .15½ Nom.

Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.... .....lb. 2.10 - 2.15

Apomorphine, bots.....oz. 23.20 -23.70

Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices

Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, bots..oz. 6.00 - 6.10

Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices

Arnica flowers, bls.....lb. .40 - .42
Root, bls.....lb. .49 - .51

Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½ - .10

Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. .17½ - .18
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾ - —

Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .70 - .75
Asbestine (see Talc, N. Y. fibrous).

Asbestos fiber, 5M. bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —

Asphaltum, Manjab No. 10, crude, tons, f.o.b. plant.....lb. .04½ - —
smaller lots, f.o.b. plant, lb. .05½ - —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots, f.o.b. plant..lb. .08 - —
California, dms., c.l., f.o.b. N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points.. ton. 32.00 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 51.00 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½ - —
N. Orleans refinery....gal. .06 - —

Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.45 - 4.70

B

Balm of Gilead buds, bgs.....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton. 45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton. 47.00 -49.00
precip., bgs., c.l., works..ton. 52.50 - —
Chicago .....ton. 55.00 - —
l.c.l., works.....ton. 57.50 - —
Chicago .....ton. 60.00 - —
bbls., c.l., works.....ton. 57.50 - —
Chicago .....ton. 60.00 - —

Barium carbonate, precip., bbls., l.c.l., works.....ton. 62.50 - —
Chicago .....ton. 65.00 - —
sulphur-free, bgs., c.l., works, ton. 57.50 - —
l.c.l., works.....ton. 62.50 - —
Chlorate, kgs.....lb. .20 - .22
Chloride, CP., cryst., bbls...lb. .25 - —
kgs. .....lb. .27 - —
tech., dom., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis, ton. 90.00 - —
bbls., same basis...ton. 92.00 - —
Zone 2, bgs., c.l., divd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis...ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., divd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis..ton. 96.00 - —
bbls., same basis..ton. 98.00 - —

Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .14 - .15
Fluosilicate, bbls.....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .06¼ Nom.
dom., works.....lb. .06½ - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09 - .10½
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½ - .10
kgs. .....lb. .12 - —

Barytes, dom., floated, bbls., c.l., St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 26.15 - —
paper bags, c.l., St. Louis..ton. 22.85 - —
l.c.l., same basis.....ton. 23.85 - —
ex whse., New York.....ton. 31.50 - —
southern off color, bulk, mines, ton. 12.00 - —
95.75%, bulk, mines....ton. 16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a...ton. No prices.
l.c.l., ex whse.....ton. No prices.
ungrd., bulk, c.l., ex dock.ton. No prices.
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom.
l.c.l., ex whse. .....ton. 32.50 Nom.

Bauxite, bulk, mines.....ton. 7.00 -16.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .30 - .35
Root, bls.....lb. .35 - .40
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
export .....gal. .17 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 17.25 -17.50
Hydrochloride, cns.....lb. 17.25 -17.50
Sulphate, cns.....lb. 17.25 -17.50
Berberis root, bls.....lb. .11 - .12
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots....lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., jars .....lb. 2.76 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cans. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.03
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.96 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.88
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 61-66%, bxs...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms .....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 5-lb. lots..lb. 3.40 - —
cns. .....lb. 3.20 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½ - —

Black, bone, 1, bbls., bgs., c.l., frt. alld. E..lb. .13 - —
l.c.l., frt. alld., E.....lb. .13½ - —
2, bbls., bgs., c.l., frt. alld. E. lb. .11½- —
l.c.l., frt. alld. E.....lb. .12 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6 bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7 bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E. lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants. lb. .0255- —
f.o.b. North Atlantic ports, lb. .03425- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02425- —
f.o.b. North Atlantic ports, lb. .0330- —
l.c.l., beads or uncompressed, bgs., f.o.b. whse..lb. .05½- —
dlvd..lb. .06¼- —
cartons, f.o.b. whse. or dlvd..lb. .06¼- —
cases, f.o.b. whse. or dlvd. lb. .07 - —
bulk, cars, c.l., f.o.b. plants. lb. .0280- —
f.o.b. New York harbor..lb. .0318- —
Special, 2, bgs., c.l., works, lb. .06½- —
l.c.l., dlvd.....lb. .10½- —
bgs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .29 - —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works...lb. .40 - —
cs., c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7 cs., l.c.l., dlvd.....lb. 1.10 - —
export, full compressed, bgs., f.a.s., Gulf ports..lb. .0521- —
uncompressed, cs., f.a.s., Gulf ports..lb. .0621- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08½- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
1, ctns., c.l., 3, ctns., c.l., works..lb. .12 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
lc.l., f.o.b. N. Y.....lb. .20 - —
6, bbls, c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls, works or N. Y., lb. .04½- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .26 - .27
Tree bark, bls.....lb. .17 - .18
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works. ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.20 - —
high- grade, gr., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 3.15 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.20 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Bloodroot, bls.....lb. .11 - .19
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla,, Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg.. lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld....lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis, alkali toner, contracts.lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —

Blue, Prussian, soluble, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .27
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, blue dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.47 - —
powd., cns.....lb. 1.49 - —
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago....ton.32.00 -33.00
import, bgs., c.i.f. ports.ton.30.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 - —
import, 100-lbs., bgs., c.i.f., ports, ship..ton.32.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)

Bone, steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b., Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bales.....lb. .08 - .09
Borage flowers, bales.....lb. .20 - .25
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse.....ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).

Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .14 - .15
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02½- —
paper bags., c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07¼- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basi...lb. .06½- —
13, bbls., same basis...lb. .06½- —
14, bbls., same basis...lb. .05½- —

YES—it was only 1920

WITCO—and the automobile—have come a long way in twenty years. When most cars were high and open Witco was a small office in Chicago with a personnel of four people. Today it is a world-wide organization known for the high quality and variety of its products and the wide scope of its manufacturing activities.

Witco's growth has been swift, steady and sound. New offices, new production facilities, new subsidiary companies have been added in quick but logical succession.

Witco starts its second score of years with a list of more than 200 products that are finding increasing use over a wide industrial front—in paints, rubber, ink, paper, steel, tanning, oil, plastics, cosmetics, soap, meat packing, building supplies. Yes, Witco has come a long way since 1920—and today looks forward with the confidence of experience to many more decades of successful service to the chemical-using industries!

STEPS OF PROGRESS

Traced here is the company's rise to its present important position.

1924—First Witco acquisition, the famed Pioneer Asphalt Company.

1925-1928—Branch offices established in Chicago, Boston and Cleveland, and the home office moved to New York.

1928—Century Carbon Company, producers of carbon black.

1933—Panhandle Carbon Company, also large producers of carbon black.

1935—The Witco Oil & Gas Company was formed. Witco extended its activities to Europe by opening London office under the name of Harold Wilson & Witco, Ltd.

1939—New asphalt plant and research laboratory in Chicago, one of the world's most up-to-date producing units.

WITCO

WISHNICK-TUMPEER, INC.

Manufacturers and Importers

New York, 295 Madison Avenue • Boston, 141 Milk Street • Chicago, Tribune Tower • Cleveland, 616 St. Clair Avenue, N. E. • Harold Wilson & Witco, Ltd., 6 Portman Mansions, Baker Street, London, W. 1, England.
Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company
Panhandle Carbon Company

BUY DIRECT AND PROFIT DIRECTLY

Brown, Sienna—Cresol

Brown, Sienna, raw, American, bbls., f.o.b. works..lb. .02⅞- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12⅜- —
2, bbls., same basis...lb. .11⅛- —
3, bbls., same basis...lb. .12⅜- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10 bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehme, Easton, Pa., N. Y.....lb. .04¼- —
St. Louis.....lb. .04¾- —
ex car Los Angles...lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .05 - —
ex whse., Kansas City..lb. .05½- —
Los Angeles, Portland, San Francisco, Seattle .....lb. .04⅞- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .15 - .16
Buchu leaves, bls.....lb. .75 - .80
Buckthorn bark, true, ble.....lb. .20 - .22
cut and sifted, bbls.....lb. .23 - .25
Berries, bgs.....lb. .25 - .30
Burdock root, bls.....lb. .14 - .15
Burgundy pitch, dom., dms...lb. .05½- .06
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld...lb. .09½- —
contract prices 1c. per gal., less secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07⅛- —
dms., l.c.l., same terms.lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Butyl, aldehyde, dms., c.l., works, lb. .15½- —
l.c.l., works.....lb. .16½- .17⅛
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55 gal. dms., dlvd..lb. .35 - —
5 gal. cns.....lb. .75 - —
1 gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms. .....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 0.60 - 0.65
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots, or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs. or more.....lb. 2.25 - —
1,000 lbs. or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb dms., 10,000 lbs. or more..lb. 2.28 - —
2,000 lbs. or more.....lb. 2.28 - —
1,000 lbs. or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs.....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .27 - .33
Calamus root, peeled, N.F., cs., lb. .20 - .22
bleached, bls.....lb. 1.00 - 1.10
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
Calcium arsenate prices are works or whse. basis. frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd.....lb. 4.75 - —
l.c.l., f.o.b. warehouse....lb. 4.85 - —
Carbonate (see Chalk and Whiting)
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd..ton. 32.00 - 35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton. 20.00 - 23.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 2.20
Gluconate, USP, gran., powd., 125-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .65 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Calcium nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, for shipment during Feb..ton. No prices
Palmitate, bbls.....lb. .23 - .24
Phosphate, dibasic, precip., 50-40% P_2O_5, bgs., c.i.f., Atlantic ports, shipt...unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., works..ton. 46.00 - —
80%, CaS., bgs., c.l., wks.ton. 51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs., lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .40
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.45 - —
Camphor, natural, powd., cs..lb. .83 - .84
slabs, cs.....lb. .83 - .84
tablets, tins.....lb. .88 - .89
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
USP, or import., gran. powd., bbls., 2,000-lb. lots..lb. .55 - —
1,000-lb. lots.....lb. .56 - —
smaller lots.....lb. .57 - —
tablets, 2,000-lb. lots....lb. .68 - —
1,000-lb. lots.....lb. .69 - —
smaller lots.....lb. .70 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs...lb. .03½- .04
Morocco, bgs.....lb. .0370- .0400
Turkish, bgs.....lb. .0370- .0400
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. .90 - .95
powd., bxs.....lb. 1.10 - 1.15
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .12½- .13
Russian, bgs.....lb. .12 - .12½
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
90%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Ohio R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07⅛
l.c.l., same basis.....lb. .08 - .08⅛
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .06½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.08 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. adll.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.25 - 1.35
decorticated, cs.....lb. .83 - .85
green, bgs.....lb. .73 - .75
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .15 - .16
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .12 - —
5 tons, works.....lb. .13½- —
smaller lots, works.....lb. .18 - —
80-100 mesh, bgs.....lb. .12½- —
5 tons, works.....lb. .14 - —
smaller lots, works.....lb. .18½- —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .11 - .11½
80-100 mesh, bgs., c.l., duty paid..lb. .11½- .12
French, 30 mesh, bgs., c.l., duty paid..lb. .16 - —
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. .14 Nom.
Cassia, Batavia, No. 1, bls....lb. .16½- .17
shortstick, bls.....lb. .14 - .14½
broken, bls.....lb. .11½- .12
China, rolls, select, bls.....lb. .10 - .10½
broken, extra, bls.....lb. .09¾- .10¾
Saigon, bls.....lb. .16½- .17
Cassia buds, cs.....lb. .13½- .14
Cassia fistula, bskts.....lb. .13 - .14
Castile soap, Italian, white, bars, 40-lb. cases..case. 14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb. 15.00 -18.00
synth., bots.....lb. 19.00 - —
Castor beans, Brazilian, f.o.b. shipt. ports..ton. 95.00 -98.00
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton. 17.50 - —
import, bgs., c.i.f. ports, shipment..ton. 20.00 - —
Celery seed, French, bgs.....lb. .17½- .17⅝
Indian, bgs.....lb. .14½- .14¾
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .33 - —
Cellulose, acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
triacetate, flake, frt. alld., lb. .33 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02⅜- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .35 - .40
Roman, bls.....lb. .45 - .50
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton. 32.40 - —
Cole, ...ton. 29.00 - —
Conn., Me., Mass., N. H., R. I., Vt., ton. 32.80 - —
Ill. (except river point), Minn., Neb., Wis., ton. 27.00 - —
Indiana .....ton. 28.00 - —
Mo., Okla., Tex. (except El Paso).....ton. 25.00 - —
c.l., dlvd., Kansas, El Paso, Tex..ton. 26.00 - —
Michigan .....ton. 29.80 - —
Ohio .....ton. 29.80 - —
Penn. .....ton. 31.50 - —
Utah .....ton. 66.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02⅝- —
tanks, works.....lb. .01⅝- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 90.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 10.00 -16.00
bulk, c.l., works...ton. 7.50 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton. 12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila...ton. 26.00 Nom.
powd., csks., l.c.l., ex dock, ton. 39.00 Nom.
ex whse.....ton. 42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., bgs., works..lb. .32 - —
75 lbs., bgs.....lb. .35 - —
smaller lots, bgs.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, rt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 25% basis, dlvd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton. 16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs.....lb. .70 - .75
20 in., medium, cs.....lb. .80 - .85
USP, broken quill, red, bgs., lb. .27 - .28
yellow, bgs.....lb. .27 - .28
Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns.....100 ozs..oz. .90 - —
powd., cns.....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .58 - —
large, cns.....100 ozs..oz. .62 - —
powd., cns.....100 ozs..oz. .54 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinnophen, USP, 5-lb. bxs., lb. 3.90 - —
1 lb., bots.....lb. 3.42 - —
100 lbs., dms.....lb. 3.15 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .18½- .19
3 bls.....lb. .18 - .18¼
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars, tubes..lb. .92 - 1.14
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Ambayna, bgs.....lb. .25 - .26
Madagascar, bls.....lb. .17¼- .17¾
Zanzibar, bls.....lb. .17 - .17½
Clover tops, bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07⅛- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08⅛- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .71 - —
Carbonate, powd., bgs., works, lb. 1.38 - —
Chloride, kgs., wks.....lb. .76 - .80
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½% bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .13 - .13¼
Cocillana bark, bgs.....lb. .40 - .45
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., 4 ozs.....oz. 18.00 - —
single, ozs.....oz. 19.00 - —
Colchicum seed, bgs.....lb. .35 - .37
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .18 - .20
Coltsfoot leaves, bgs.....lb. .15 - .16
Condurango bark, bgs.....lb. .14 - .16
Conium leaves, bls.....lb. .20 - .22
Copaiba balsam, Para, cns...lb. .34 - .35
S. A. USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .16½- —
Chloride, cryst., bbls.....lb. .19 Nom.
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.10
Metal, electrolytic.....lb. .11¼- —
Nitrate, cryst., bbls.....lb. .17 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80% bbls., tons, works..lb. .15¾ Nom.
Red, com'l., 80-88%, kgs., f.o.b. N. Y..lb. .20 Nom.
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .24½- .25½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.45 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.60 - —
6-15 bbls., same basis, 100 lbs. 4.80 - —
1-5 bbls., same basis, 100 lbs. 5.05 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.95 - 9.20
l.c.l. dealers.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton. 18.00 - —
bbls., c.l., works.....ton. 20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, Coast, shipt.....lb. .0175- —
Coriander seed, Morocco, bgs..lb. .04¼- .04½
bleached, bgs.....lb. .10 - —
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 3.09 - —
slabs, bbls., c.l.....100 lbs. 3.01 - —
solid, bbls., c.l.....100 lbs. 3.13 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.12 - —
43°, bbls., c.l.....100 lbs. 3.17 - —
Cornalik, bls.....lb. .14 - .15
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.04 - —
gran., powd., dms., 50 lbs. or more..lb. 1.89 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .15 - .16
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .28¼- —
smaller lots, bbls.....lb. .28¾- —
kgs.....lb. .29¼- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Creosote, oil, crude, tanks, works, gal. .13¼- .14½
Coaltar, solution, tanks, works, gal. .122 - .13⅜
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works .....gal. .18 - .18⅜
Cresol, USP, dms., c.l., works..lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —

Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .36 - .37
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb. less.
Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs.....lb. .47 - .48
Culver's root, bls.....lb. .15 - .16
Cumin seed, Malta, bgs.....lb. .No stocks
Morocco bgs.....lb. .15¼- .15¾
Cyprus, bgs.....lb. .14¾- .15¼
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22%, N_2, pulv., bgs., dlvd., contracts, N_2 unit ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms.,works, frt. alld. E. of Rockies...lb. .25 - —
Cyclohexanol,98-100%, dms.,works, frt. alld. E. of Rockies...lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld. E of Rockies..lb. .58 - —

D

Damiana leaves, bls.....lb. .30 - .35
Dandelion root, German, bls...lb. .42 - .45
Deertongue leaves, bls.....lb. .15 - .16
Degras, common, dom., bbls...lb. .09 - .10
English, bbls.....lb. .09 - .10
neutral, dom., bbls.....lb. .13 - .18
English, bbls.....lb. .15 - .18
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs...lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.
Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns.....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.85 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.50 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.70 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.45 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
Potato, import, bgs.....lb. .07¾ Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works...lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton. 22.00 -35.00
l.c.l., ex whse.....ton. 45.00 -150.00
import, bgs., c.l., c.l.f.....ton. 23.00 Nom.
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23¼- .25½
Sebacate, dms., works.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethyl carbonate, coml., dms.lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, d m s., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —

Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .09½- .10
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylaniliin, dms., c.l.....lb. .22 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .23 - —
Dinitrotoluene, dms.....lb. .13½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest. dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns....lb. .50 - .55
Diphenylamine, bbls.....lb. .81 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, bls.....lb. .18 - .19
Dogwood bark, Jamaica, bls., lb. .07 - .09
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. 1.05 - 1.10
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns.....lb. 13.50 - —
FD&C green, No. 2, cns....lb. 17.50 - —
FD&C green, No. 3, cns....lb. 27.50 - —
Green, FD&C green, No. 1, cns. lb. 13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 3 cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4 ,cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Black, D&C black, No. 1, lb. 8.35 - —
Blue, D&C blue, No. 6....lb. 13.50 - —
Brown, D&C brown, No. 1, cns. lb. 12.35 - —

Crotonaldehyde—Dyes

Dyes, coaltar (certified colors) for drugs and cosmetics:—
Green, D&C green, No. 5, cns. lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns..lb. 15.85 - —
D&C orange, No. 11, cns...lb. 17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb. 18.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb. 13.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb. 10.35 - —
Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb. 12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb. 10.35 - —
Ext.D&C, red, No. 3.....lb. 21.85 - —
Ext.D&C, red, No. 8....lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb. 12.35 - —
Ext.D&C, red, No. 11, cns. lb. 12.35 - —

They Started Something!

UP TO 1793, when Eli Whitney invented the cotton gin, the cotton industry had always been hampered by the costly, time-consuming hand method of separating the seeds from the fibres.

Whitney's gin did the job in a fraction of the time required by hand—and at a fraction of the cost! The effect was tremendous. Cotton became one of the world's greatest industries. People in every walk of life were literally reclothed. It was the beginning of the high speed, large scale methods that distinguish production of cotton fabrics today. Seldom has a single invention had such a profound and far-reaching effect upon history. Eli Whitney *started something.*

The first cylinder of Liquid Chlorine made by EBG in 1909.

EBG engineers started something, too, when they built the first equipment in the U. S. A. for producing Liquid Chlorine. They made this valuable product available commercially in this country for the first time in 1909. They made it possible for people everywhere to be sure of pure water supplies . . . to protect themselves from diseases that lie in sewage. They doubled and tripled the efficiency of bleaching textiles, paper and other products. They started an industry that is both vital and far-reaching in its effects. EBG has the advantage of pioneer experience in producing and servicing Liquid Chlorine. That advantage will work to *your* advantage if you use EBG Liquid Chlorine.

EBG Liquid Chlorine

FIRST IN THE COUNTRY

ELECTRO BLEACHING GAS COMPANY
Main Office: 60 East 42nd Street, New York, N. Y.
Plant: Niagara Falls, N. Y.

Dyes—Gum, Copal

Dyes, coaltar (certified colors), for external use, drugs and cosmetics:—
Ext.D&C, red, No. 13, cns.. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 1., cns..lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .80 - .95
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 8R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42
486 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .53
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb.
Sulphur olive.....lb. .25
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .39 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
238 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .39 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .90 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
284 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .40 - .52
332 Bismarck brown R...lb. .40 - .52
798 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Rrange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62

Dyes, coaltar, for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .58 - .60
imported .....lb. .55 - .58
Elder flowers, bright, bls.....lb. .40 - .45
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.19.00 -19.50
Ephedra, bls.....lb. .10 - .10½
Ephedrine, tins, 1,000 ozs.....oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Hydrochloride, tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs. 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs. 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs. 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 3.85 - 4.00
Eserine, bots..... oz. 17.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., divd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs. lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works...lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .28 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .075 - —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .065 - —
95-98%, dms., c.l., frt alld..lb. .0775- —
l.c.l., frt. alld.....lb. .0825- —
tanks, frt. alld.....lb. .0675- —
USP, XI, dms., 460 lbs.....lb. .09 - —
cns., 35 lbs.....lb. .13 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 gal. dms., divd., lb. .35 - —
Formate, cns., dms.....lb. .23 - .24
5 and 10 gal. dms., divd....lb. .75 - —
1 gal. cns.....lb. 1.00 - —
Iodide, bots.....lb. 3.50 - 3.65
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis—lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Monobutylether, dms., c.l.,works, lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l.,works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .75 - .80
Eucalyptus leaves, bls.....lb. .12 - .13
Eugenol, cns., dms.....lb. 2.25 - 2.30
Euphorb'a, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons..ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .14½- .14¾
German, large, bgs.....lb. .33 - .34
Fenugreek seed, bgs.....lb. .06 - .06½
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .11½- —
smaller lots, works...lb. .13 - —
light, cs., 1,000 lbs. or over, works...lb. .12½- —
smaller lots, works....lb. .14 - —
water white, cs., 1,000 lbs. or over, works..lb. .12½- —
smaller lots, works...lb. .15 - —
Fir balsam, Canada, cns.....gal.12.75 -18.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 4.25 Nom.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.39.00 - —
wet, acidulated, 6-7% ammon., 3-% phosphor. acid, bulk, So. Atlantic factories, contracts..unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Feb. shipt..ton.51.00 - —
spot..ton.51.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .18½- .19
Indian, blonde, bgs.....lb. .08½- .09
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.60 - —
washed gravel, 85.5 f.o.b. Ky.-Ill.-Ky.mines..net ton.21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill., mines..net ton.21.00 - —
imported, 85.5, duty paid, short ton.25.00 Nom.
Formaldehyde, bbls., c.l., works, lb. .03¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .03¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import, bgs., c.l., ex dock..ton.25.00 Nom.
l.c.l., ex whse.....ton.32.00 Nom.
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., divd., lb. .16 - .17½
Fustic extract, cryst., bbls....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .07 Nom.
plantation, cases.....lb. .10 Nom.
Cubes, Singapore, cases.....lb. .10 Nom.
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06½- .0780
65 octane and above, tanks, gal. .06¾- .0735
California, 54-58, tanks...gal. .06½- .08
Gulf Coast, U. S. Motor, bulk, gal. .05¼- —
60-62, 399 e.p., bulk, export, gal. .05¼- —
63-67, 375 e.p., bulk, export, gal. .05⅝- —
70-72, 400 e.p., bulk, export, gal. .06¼- —
Louisiana-Arkansas, US motor, 62 octane, tanks...gal. .04 - .04¼
63-66 octane, tanks....gal. .04¼- .04½
67-69 octane, tanks....gal. .04½- .04⅝
70-72 octane, tanks....gal. .04⅝- .05¼
Oklahoma-Texas, US motor, 62 octane and below, tanks, gal. .03 - .03⅜
third grade, tanks....gal. .03 - .03⅜
63-66 octane, tanks....gal. .03¼- .04
67-69 octane, tanks....gal. .03½- .04¼
70-72 octane, tanks....gal. .03⅝- .04½
U.S. Motor, 18-lb. v.p., tanks..gal. .05½- .05¼
22-lb. v.p., tanks.....gal. .04⅝- —
26-70 lb. v.p., tanks...gal. .04 - .04¼
below 60 octane, tanks.gal. .05 - —
65 octane, tanks.....gal. .07 - —
52-54 450 e.p., naphtha, tanks..gal. .05½- —
natural, 12-lb. v.p., tanks, gal. .02½- .02⅝
14-lb. v.p., tanks.....gal. .01⅝- .02
Gelatin, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .14 - .15
grd., bbls., bxs.....lb. .16 - .17
powd., bbls., bxs.....lb. .17 - .18
Geraniol, cns., dms.....lb. .60 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs.....lb. .08½- .09
Cochin, leman, bgs.....lb. .09½ Nom.
Jamaica, bold, bgs.....lb. .12 - .13
grinding, bright, bgs.....lb. .09½- .10
medium, bgs.....lb. .09¾- .10¼
Japanese, bgs.....lb. .08¾- .09¼
Ginseng root, wild, Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works.... 100 lbs. 1.05 - 1.25
less than 5 tons, works 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., divd..lb. .13½- —
l.c.l., divd.....lb. .14 - —
36/58, bgs., c.l., divd.....lb. .13 - —
l.c.l., divd.....lb. .13½- —
58/82, bgs., c.l., divd.....lb. .14½- —
l.c.l., divd.....lb. .15 - —
82/108, bgs., c.l., divd.....lb. .15 - —
l.c.l., divd.....lb. .15½- —
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., divd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .23 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP., cns., l.c.l.....lb. .14½- .15
dms., c.l., divd.....lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .12¾- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., divd.lb. .12 - —
l.c.l., divd.....lb. .12½- —
tanks, divd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., divd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, divd..lb. .08¾- .09
soaplye, basis 80%, dms., tanks, returnable, divd..lb. .07¾- .08¼
Glycine, medicinal, bbls., tins.lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .33 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .12½- .13
Goldenseal, root, bls.....lb. 3.60 - 3.80
powd., bxs.....lb. 3.75 - 3.95
Grains of paradise, bgs.....lb. .41 - .42
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .08¼- —
l.c.l. works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works....lb. .02¼- —
65% graphitic, carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, loose.....lb. .04¾- .05
White .....lb. .05¾- .05½
Yellow .....lb. .05 - .05¼
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher divd. Pac. coast: for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .38 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.91
Carbonate, bb., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.10 - 1.13
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .12¼- .12¾
white, sorts, 1, bgs.....lb. .33 - .35
2, bgs.....lb. .32 - .34
powd., bbls.....lb. .16¼- .18¾
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .22 - .23
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, I, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading: l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, cloudy, white, bgs., c.l., same basis..lb. .29½- —
2, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22⅜- —

Gum, copal, Congo, 6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. 17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13⅞- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13⅝- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .11⅝- —
12, selected bold sorts, bgs., c.l., same basis..lb. .10⅝- —
13, dark sorts bold, bgs., c.l., same basis..lb. .08½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅜- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅜- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09⅛- —
17, pale, fingers, bgs., c.l., same basis..lb. .17⅜- —
18, pale straw nubs, bgs., c.l., same basis..lb. .17⅛- —
19, pale straw nubs, bgs., c.l., same basis..lb. .16⅞- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .11⅝- —
21, ordinary selected nubs, c.l., same basis..lb. .10⅝- —
22, small mixed nubs, bgs., c.l., same basis..lb. .09⅞- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .10½- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17⅜- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale bld chips, bgs., c.l., same basis..lb. .10 - —
27, pale small nubs, bgs., c.l., same basis..lb. .09¼- —
28, pale dust, bgs., c.l., same basis..lb. .06⅝- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .07⅞- —
unscraped, bgs., c.l., same basis..lb. .06⅝- —
chips, bgs., c.l., same basis..lb. .06¼- —
dust, bgs., c.l., same basis, lb. .06 - —
nubs and chips, bgs., c.l., same basis..lb. .06¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .11⅜- —
unscraped, bgs., c.l., same basis..lb. .07⅝- —
nubs and chips, bgs., c.l., same basis..lb. .07 - —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .15⅜- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis..lb. .06 - —
nubs, bgs., c.l., same basis..lb. .13¼- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .16 - —
chips, bgs.,c.l., same basis, lb. .08⅜- —
dust, bgs., c.l., same basis, lb. .06 - —
nubs, bgs., c.l., same basis, lb. .12⅜- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14½- —
light, bskts., c.l., same basis..lb. .16⅜- —
Loba A, bskts., c.l., same basis..lb. .16 - —
B, bskts., c.l., same basis, lb. .15⅝- —
C, bskts., c.l., same basis, lb. .15½- —
CNE, bskts., c.l., same basis..lb. .12⅝- —
D, bskts., c.l., same basis, lb. .13⅝- —
DK, bskts.,c.l., same basis, lb. .11⅞- —
DK, dst., bskts., c.l., same basis..lb. .07⅞- —
Sambas and white split chips, bskts., c.l., same basis..lb. .17½- —
Singapore, dust., bskts., c.l., same basis..lb. .07⅞- —
spirit - soluble, CBB, bskts., basis..lb. .13⅜- —
DBB, bskts., c.l., same basis..lb. .12⅜- —
MA, bskts., c.l., same basis, lb. .11¼- —
MB, bskts., c.l., same basis, lb. .10⅜- —
WS, bskts., c.l., same basis.lb. .12⅞- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .11⅝- —
chips, pale, bskts., c.l., same basis..lb. .14½- —
pale, small, bskts., c.l., same basis..lb. .12½- —
extra pale sorts, bskts., c.l., same basis..lb. .13½- —
nubs, bskts., c.l., same basis..lb. .15¼- —
pale, scraped, bskts., c.l., same basis..lb. .15⅞- —
seeds and dust., bskts., c.l., same basis..lb. .09⅝- —
Pontianak, bold, genuine, bgs., same basis..lb. .17½- —
mixed, bgs., c.l., same basis, lb. .16⅝- —
split, bgs., c.l., same basis, lb. .16¼- —
chips, bgs., c.l., same basis, lb. .10½- —
nubs, bgs., c.l., same basis, lb. .13½- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .22⅝- —
A/D, cs., c.l., same basis..lb. .14½- —
A/E, cs., c.l., same basis..lb. .13⅜- —
B, cs., c.l., same basis.....lb. .21½- —
C, cs., c.l., same basis....lb. .15¼- —
D, cs., c.l., same basis.....lb. .13⅜- —
dust, cs., c.l., same basis..lb. .08⅜- —
E, cs., c.l., same basis.....lb. .10⅝- —
F, cs., c.l., same basis.....lb. .08⅜- —
Singapore 1, cs., c.l., same basis..lb. .18⅝- —
2, cs., c.l., same basis....lb. .14½- —
3, cs., c.l., same basis....lb. .07⅞- —
chips, cs., c.l., same basis.lb. .12½- —
dust., cs., c.l., same basis, lb. .07⅞- —
seeds, cs., c.l., same basis, lb. .10½- —
Elemi, cns., c.l., same basis as copal..lb. .11⅝- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .06¼- .06⅝
less than 10,000 lbs., same basis..lb. .06½- .07

Gum, Copal—Hypernic

Gum, ester, dms., Western N. Y., and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs, contrs. or straight c.l.....lb. .06¾- .07
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07⅝
Euphorbium, cs. .....lb. .50 - .55
Galbanum, cs. .....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls. .....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, c.s., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17⅝- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .85 - .90
Myrrh, USP, cs.....lb. .60 - .65
Olibanum, siftings, cs.....lb. .08 - .12
Tears, cs.....lb. .15 - .25
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .37 Nom.
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1, cs...lb. 2.65 - 2.70
2, cs.....lb. 2.55 - 2.60
3, cs.....lb. 2.45 - 2.50
flake, bgs.....lb. No prices
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equaled..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Okla., frt. equal. ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Acme, Tex., frt. equald.ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags., c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .30 - .32
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls. lb. .14 - .15
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¾- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .06½- .07⅛
Henbane, leaves, bls.....lb. .60 - .65
Henna leaves, bls.....lb. .16 - .18
powd., bbls., bxs.....lb. .18 - .20
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms, 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 3.00 - 3.15
Hops, N. F., bls.....lb. .23 - .24
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs..oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.00 - —
cns., 16 ozs.....oz.18.75 - —
Hydrastinine, 15 gr., bots....bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River..lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.55.00 -72.00
Hydrochloride, bots.....oz.59.00 -60.00
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 51°, bbls., lb. .14 - —

The House that SERVICE built

Yes — we *know* the term is overrated and the word is overused. But this is *one* place where it really means something. Service here means the will to serve you as you *want* to be served. It's incorporated in our name, and branded in the mind of every person in our Organization.

ISCO CAUSTIC POTASH

Manufacturing good Caustic Potash is a specialty here.

SOLID - FLAKE - GRANULAR - POWDERED - LIQUID

ISCO CAUSTIC SODA

stands high on the list of good products with which our Company has long been identified.

SOLID - CRYSTALS - FLAKES - LIQUID

ISCO IRON CHLORIDE (Ferric Chloride)

The fine properties of this product adapt it to a variety of industrial uses. Lump and liquid forms

●

GOOD PAINT BECOMES STILL BETTER *with the help of*

ISCO CARRARA Pure Soft Decomposed SILICA

99½% Pure. Water ground and floated; prime white and uniform. Any mesh desired.

ISCO WAXES Major items here. Three decades experience has taught us the best methods of clean and refining.

PURE CARNAUBA and CANDELILLA—Flake and Lump forms.

BEESWAX — Pure Yellow Refined Pure White Sunbleached.

CERESINES (Domestic) White Yellow, Lemon Yellow and Orange.

OZOKERITE WAX—White, Yellow, Hard Green—All melting points.

ISCO GUMS *Better gums* at no extra cost to you.

GUM ARABIC — Sorts, Grain, Powder, Granular and Crushed.

GUM KARAYA — Ribbon, Flake, Powder.

GUM TRAGACANTH — Ribbon, Flake, Powder.

LOCUST BEAN GUM — Powder, —50, 100 and 150 mesh.

And . . . a DOMESTIC Talc of Superior Quality

ISCO SILVER TALC

Comparable with the best imported. A trial order will convince you.

INNIS, SPEIDEN & CO.
Established 1816
117-119 Liberty Street · · · NEW YORK
BOSTON · PHILADELPHIA · CHICAGO · CLEVELAND · GLOVERSVILLE, N. Y.
A National Institution

Iceland Moss—Mannitol

I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.15 - 1.20
powd., bxs.....lb. 1.25 - 1.30
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .28 - .30
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd.....lb. .03 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech. ,anhydr., 300-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .09
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .89 - —
bots. .....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .065 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07 - —
Isopropyl. acetate, tanks, E. of Rockies, frt. alld.....lb. .055 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .13
Jalap root, NF, bls.....lb. .24 - .26
powd., bbls, bxs.....lb. .28 - .30
resin, lump, cns.....lb. 3.70 - —
powd., bxs.....lb. 3.75 - —
Juniper berries, bgs.....lb. .10 - .13

K

Kamala, tins.....lb. .42 - .43
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0560- —
Gulf ports, p.w., bulk....gal. .07⅝- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04⅛
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03⅝- .04¼
42-44 w.w., tanks.....gal. .03⅞- .04⅜
Pennsylvania, 43 w.w., tanks, gal. .04⅝- .04⅞
46 w.w., tanks.....gal. .04⅜- .05
47 w.w., tanks.....gal. .04⅞- .05¼
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .08¾- —
Chicago .....gal. .10 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10 - —
Minneapolis .....gal. .104 - —
New Orleans.....gal. .11 - —
New York.....gal. .09 - —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No Prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.50 - 6.75
Middlewestern, trcs....100 lbs. 6.70 - 6.80
Neutral, trcs.....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 6.80 - 6.90
Compound, trcs.....100 lbs. 9.50 - 9.75
Larkspur seed, bgs.....lb. 1.10 - 1.15
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .05¼- .05⅝
Lavender flowers, ordinary, bls..lb. .40 - .45
medium, bls.....lb. .45 - .50
select, bls.....lb. .55 - .60
Lead acetate, white, broken, bbls. lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l., dealers..lb. .11 - —
l.c.l., bgs., dealers.....lb. .11½- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¼- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., divd. E.....lb. .06½- —
l.c.l., divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd.. 5 lb. bots..lb. 2.66 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lbs. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .07¾- —
other points.....lb. .07½- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. .....lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. .....lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, Ala., etc.lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
97%, Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., etc., lb. .08 - —
other points.....lb. .07¾- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, divd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., etc.lb. .08½- —
other points.....lb. .08 - —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
smaller lots, divd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l. (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse....lb. .10¼- —
smaller lots, E. frt. alld., lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07½- —
other points.....lb. .07 - —
l.c.l., divd., Ariz., etc.lb. .07½- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., divd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
l.c.l., divd., Ariz., etc. lb. .06¾- —
other points.....lb. .06¼- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers .....lb. .10¾- —
painters .....lb. .11¾- —
Consumers' price and painters' price are ¼c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .49 - —
l.c.l., same basis.....lb. .42½- .60
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 300-lb. dms., prices are 1c. per lb. less.
Lemon peel, bls.....lb. .13 - .18
Licorice extract, mass., cs.....lb. .18 - .19
powd., bbls.....lb. .24 - .25
root, cuttings, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12
select, bndls., cs.....lb. .27 - .30
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 6.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 7.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis. lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, divd., gal. .11½- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, divd, gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .08½- —
30-50 dms.....gal. .11 - .15
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3. Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn. west of Tenn. River: Penn, eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.
Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 2.00 - 3.00
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .35
Linseed cake, bags, export...ton.28.00 -28.50
meal, 34%, bgs.....ton.37.00 - —
Litharge, com'l, powd., bbls., 20-tons divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .06¾- —
Litharge, com'l, powd., bbls., divd., other points....lb. .06½- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07 - —
smaller lots, divd., Ala., etc. lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
Other points.....lb. .07½- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons).lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —
Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.
Liverwort leaves, bls.....lb. .45 - .50
Lobelia, herb, bls.....lb. .12 - .13
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10¼- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dom., bls.....lb. .55 - .56
imports, bls.....lb. .45 - .60
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 3.75 - 4.00

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Mace, Banda, cs.....lb. .58 - .60
Batavia, cs.....lb. .32 - .34
Siauw, cs.....lb. .48 - .49
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
2, bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, Zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del. and Md. C.l., shipments, full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including divd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting House. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Chloride, anhy., dom., bbls., divd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs., lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11½
Stearate, bbls., ctns., c.l.....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.62.00 -66.00
Import, bgs., duty paid...ton.62.00 -66 00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .58 - —
100-lb. lots.....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .50
blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works....ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 5 tons, works...ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works...ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., divd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .50 - —
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works..lb. .08 - .08½
single bbls., works....lb. .08¼- .08¾
fertilizer, 65%, $MnSO_4$, bgs., c.l., divd., South..ton.52.00 - —
l.c.l., bgs.....ton.59.00 -73.25
Mangrove bark, bgs., shipt....ton.35.00 - —
Manna flake, large, cs.....lb. .58 - .60
small, cs.....lb. .40 - .42
Mannitol, com'l grade, 99% pure, ton lots, works..lb. .42 - —
250 lbs., bbls., works.....lb. .50 - —
reagent grade 25-lb. tins, 100-lb. lots, works..lb. .95 - —
50-lb. lots, works.....lb. 1.00 - —

Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .28 - .29
Tunisan, bls.....lb. .27 Nom.
Chilean, bls.....lb. .20½- .21
Matico leaves, bls.....lb. .30 - .32
Menthol, USP, natural, cs.....lb. 3.65 - 3.75
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.24 - —
25 lbs.....lb. 1.26 - —
50%, pails, 50 lbs.....lb. 1.79 - —
25 lbs.....lb. 1.81 - —
Mercury (see Quicksilver)
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 2.62 - 2.64
fib., dms., 100 lbs.....lb. 2.49 - —
jars, 25 lbs.....lb. 2.51 - —
Chloride (see Calomel).
Iodide, red, N.F., bots., 5 lbs., lb. 4.56 - —
cns., 25 lbs.....lb. 4.45 - —
fib. dms., 100 lbs.....lb. 4.45 - —
yellow, bots., 5 lbs.....lb. 4.66 - —
fib. dms., 100 lbs.....lb. 4.55 - —
Nitrate ointment (see Citrine ointment).
Mercury, Oxide, red, N.F. (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.26 - —
USP, fib., dms., 50 lbs. or more..lb. 2.78 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.72 - —
fib., dms., 25 lbs.....lb. 1.60 - 1.65
Mesityl oxide, cns., works.....lb. .20½- .22½
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅛ in.....pkg.22.50 -23.00
3⅜x5⅛ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.30 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .32 - —
95%, tanks.....gal. .31 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.
Methanol, synth., pure, dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld...gal. .32 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn. Mo. N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt Va W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3 Los Angeles, Cal.; San Francisco, Cal.; Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R. lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, dms., c.l..gal. .41 - .47
l.c.l. .....gal. .44 - .63
tanks .....gal. .35 - .39
Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.
Synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .38 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
4 .....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt. alld. E. of Rockies..gal. .475 - —
3, Pacific Coast.....gal. .45 - —
4 .....gal. .605 - —
tanks, Zone 1, frt. alld., E. of Rockies..gal. .315 - —
2, frt. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355 - —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.
Methyl, cinnamate, bls.....lb. 1.75 - 2.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.28.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, l.c.l., same basis.....ton.20.00 - —
l.c.l., same basis.....ton.15.00 - —
Metronite, pigment, 325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs. extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works..lb. .03 - —
refined, bgs. extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E—lb. .04½- —
l.c.l., ex-Whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex-whse., or frt. alld. E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E., lb. .04¼- —
l.c.l., ex-whse., or frt. alld. E..lb. .04¾- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .03¾- .04¼
early fortune, bgs.....lb. .03 - .03½
hulled, bgs.....lb. .06¼- .06⅝
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .05½- .06
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. 1.00 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylaniliin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).

Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 oz.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.55 - 1.60
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth, ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.80 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more. lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more. lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .60 - .65
Mustard seed, California, brown. bgs..lb. .09¼- .09¾
Danish, yellow, bgs.....lb. .12¾- .12⅝
Dutch, yellow, bgs.....lb. .11 - .11⅛
English, yellow, bgs.....lb. No stocks
Roumanian, yellow, bgs....lb. .12⅝- .13⅛
Myrobalans, J1, bgs, f.a.s...ton.30.00 - —
J2, bgs., f.a.s.....ton.23.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters, (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 Nom.
bgs., bbls., l.c.l., works, 100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works, 100 lbs. 2.50 Nom.
l.c.l., works.....100 lbs. 2.75 Nom.
import, bgs., c.i.f.....100 lbs. 2.90 Nom.
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .06⅝- —
50-lb. cs., same basis...lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07½- —
(12 oz.) same basis..pkg. .06 - —
Naphthalene, refined, chipped, crushed, bbls., same basis, lb. .06 - —
rice, cryst., powd., bbls., same basis...lb. .06⅝- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls..lb. .26 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.....unit-ton. 2.00 - —
f.o.b. Chemical, Ill., unit-ton. 2.00 - —
East Coast producing points..unit-ton. 2.50 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.45 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nutgalls, Alleppo, bgs., cs....lb. .29 - .30
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .22 - .22½
110s, bgs., cs.....lb. .20 - .20½
West Indian, bgs.....lb. .11½- .12
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.10
s.p.a., bots.....lb. 2.10 - 2.20
sweet, true, exp., cns....lb. .90 - 1.00
Amber, crude, cns.....lb. .19 - .20
ref'd, cns.....lb. .50 - .51
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.42.00 -45.00
seed, bots.....lb.70.00 -75.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .72 - .75
Apricot, kernels, cns.....lb. .35 - .40
Babassu, tanks.....lb. .06¾- —
Bay, W. I., 50-55% phenols, cns..lb. 1.20 - 1.25
55-60% phenols, cns.....lb. 1.30 - 1.35

Marble Flour—Oil, Lard

Oil, Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 4.25 - 4.50
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .27 - .28
rectified, cns.....lb. .85 - .90
Bois de rose, Brazil, cns....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cadjeput, tech., dms.....lb. .61 - .62
USP, IX, cns.....lb. .71 - .72
Calamus, cns.....lb. 8.25 - 8.50
Camphor, saesafrassy, cns...lb. .39 - .40
dms. .....lb. .36 - .37
white, cns.....lb. .52 Nom.
dms. .....lb. .50 Nom.
Cananga, native, cns.....lb. 1.70 - 1.75
rectified, cns.....lb. 2.15 - 2.20
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns.....lb. 3.00 - 3.25
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.30 - 1.35
Castor, blown, one-way dms., c.l...lb. .14¾ Nom.
l.c.l. .....lb. .15½- —
cold pressed, USP, bbls., cl., lb. .13¼ Nom.
l.c.l. .....lb. .14 - —
cns. (1-gal.), l.c.l.....lb. .17 - —
dms. (returnable), c.l...lb. .12½ Nom.
l.c.l. .....lb. .13¾- —
(5-gal.), l.c.l.....lb. .15 - —
tanks .....lb. .12½ Nom.
extracted No. 3, tech., bbls., c.l...lb. .12¾ Nom.
l.c.l. .....lb. .13¼- —
dms. (returnable), c.l....lb. .12¼ Nom.
l.c.l. .....lb. .13¾- —
tanks .....lb. .12 Nom.
dehydrated, dms., c.l.....lb. .181 Nom.
l.c.l. .....lb. .185 - —
tanks .....lb. .17½ Nom.
Castor oil, med. and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.
sulphonated, 50% (43% fat), dms., c.l...lb. .09 - —
l.c.l. .....lb. .09½- —
75% (63% fat), dms., c.l...lb. .11 - —
80% (68% fat), dms., c.l...lb. .11¾- —
l.c.l. .....lb. .12¾- —
Cedarleaf, cs.....lb. 1.00 - 1.05
dms. .....lb. .95 - 1.00
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns., dms.....lb. .19 - .22
Celery bots.....lb. 7.25 - 7.50
Chaulmoogra, USP, cns., 500 lbs. lb. 1.00 - —
25 lbs. .....lb. 1.25 - —
Chinawood, dms.....lb. .27 - .28
tanks .....lb. .26 - .27
Cinnamon, Ceylon, bots.....lb. 9.25 -25.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .42 - .43
dms. .....lb. .40 - .41
Java, cns., dms.....lb. .39 - .40
Clove, makers, USP, cns.....lb. 1.38 - 1.43
dms. .....lb. 1.33 - —
Coconut, Manila, crude, tanks, lb. .03¾- —
Coconut, edible, 76°, tax incl. dms. (returnable), c.l...lb. .08¾- —
l.c.l. .....lb. .09¼- —
tanks .....lb. .07¾- —
Cod, Newfoundland, shipt., unbleached..gal. .72 Nom.
Norwegian, shipt., bbls....gal. .65 Nom.
Codliver, med., USP, bbls..bbl.32.00 -35.00
Coriander, bots.....lb.11.50 -12.50
Corn, crude, tanks, wks.....lb. .06¼- .06¼
refd., bbls.....lb. .08½- .09¾
Cottonseed, cooking, bbls.....lb. .08¾- —
salad, bbls.....lb. .09¼- —
Import, Brazilian, semi-refd., bulk..lb. .04 Nom.
Creosote (see C).
Croton, N.F., cns.....lb. 3.50 - 3.75
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 7.50 - 8.00
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 2.10 - —
California, 24 plus, bulk...bbl. 1.55 - —
Dill seed, bots.....lb. 3.00 - 3.25
weed, bots.....lb. 3.60 - 3.85
Dip (see L).
Erigeron, cns.....lb. 2.00 - 2.25
Eucalyptus, cns.....lb. .60 - .63
dms. .....lb. .57 - .60
Fennel, sweet, cns.....lb. 2.25 - 2.50
Fuel, bunker, California, tidewater..bbl. .90 - —
Gulf Coast.....bbl. .90 - .95
Louisiana, Arkansas, 10-14.bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. 1.50 - —
Tuesday .....bbl. 1.50 - —
Wednesday .....bbl. 1.50 - —
Thursday .....bbl. 1.50 - —
Friday .....bbl. 1.50 - —
Saturday .....bbl. 1.50 - —
North Texas, 18-22.....bbl. .75 - .85
24-28, zero cold test.....bbl. 1.00 - 1.10
Oklahoma, 18-22.....bbl. .75 - .85
24-28, zero cold test.....bbl. 1.00 - 1.05
24-28, 15 and above.....bbl. .80 - .85
Pennsylvania, 3640.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .05½- —
2, bulk, same basis.....gal. .05 - .0525
4, bulk, same basis.....gal. .0445- .0455
Louisiana - Arkansas, 32 - 36, light straw..gal. .03¼- .03½
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03⅝- .03¾
36-38 .....gal. .03⅝- .03⅞
38-40 zero, 60 e.p.....gal. .03⅞- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04 - —
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02⅞- —
Oklahoma, bulk.....gal. .03½- —
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.75 - 3.10
Hourbon, cns.....lb. 2.40 - 3.10
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.75 - 1.80
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 5.00 - 5.50
Guaiac wood, concrete, bots..lb. 2.50 - 2.55
Haarlem, import, bots....gross. 5.00 - 5.50
Hemlock, cns.....lb. 1.00 - 1.25
Juniper berry, USP, cns.....lb. 2.00 - 2.25
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lbs., dms..lb. .53 - .59
cns. .....lb. .55 - .60
Lard, common, 1, bbls.....lb. .08¾- —
2, bbls.....lb. .08½- —
extra, bbls.....lb. .09 - —
1, bbls.....lb. .08¾- —
Winter, strained, extra, bbls., lb. .09¼- —
prime, burning, bbls.....lb. .10 - —
prime, ined., bbls.....lb. .09½- —

Oil, Laurel—Oil, Ylang-Ylang

Oil, laurel, bots.	lb.	4.50	- 4.60
Lavandin, cns., 25 lbs.	lb.	2.15	- 2.20
Lavender flower, French, 50% ester, cns.	lb.	5.25	- 5.30
38-42% ester, cns.	lb.	4.00	- 4.05
35-38% ester, cns.	lb.	2.75	- 2.80
30-32% ester, cns.	lb.	2.50	- 2.60
garden, cns.	lb.	.42	- .45
spike, Spanish, tech, cns.	lb.	1.20	- 1.25
dms.	lb.	1.15	- 1.20
Lemon, Calif., cns.	lb.	3.00	- —
Messina, coppers, cns.	lb.	3.10	- 4.00
Terpeneless, Type 1	lb.	10.75	-16.50
Type 2	lb.	8.50	-14.50
Lemongrass, native, cns., dms.,	lb.	.80	- .85
Lime, dist., cns.	lb.	3.60	- 4.25
expressed, cns.	lb.	7.25	- 7.50
Terpeneless, Type 1	lb.	42.00	-46.50
Type 2	lb.	60.00	-78.00
Linaloe wood, cns.	lb.	1.50	- 1.60
Linseed, raw, bbls., c.l.	lb.	.1030-	.1050
l.c.l., 10 to 69	lb.	.1050-	.1070
5 to 9	lb.	.1090-	—
less than 5	lb.	.1110-	—
tanks	lb.	.0970-	.0990
Boiled linseed oil .004 cents over raw.			
Lovage, bots.	lb.	41.25	-60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.	gal.	.20	- —
140 vis., dms.	gal.	.25	- —
green, pale, 750, 900 vis., dms.	gal.	.26	- —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms.	gal.	.26	- —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tank.	gal.	.27	- —
15-25 pour, tanks.	gal.	.24	- —
150-160 D, color, 4½, 0-10 pour, tanks.	gal.	.26	- —
15-25 pour, tanks.	gal.	.24	- —
150-160 E, color 5½, 15-25 pour, tanks.	gal.	.27	- —
190-200 D, color 4¼, 15-25 pour, tanks.	gal.	.28	- —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks.	gal.	.13	- —
150 vis., 5 color, tanks,	gal.	.15½-	—
4 color, tanks.	gal.	.15	- —
200 vis., 3 color, tanks,	gal.	.16½-	—
4 color, tanks.	gal.	.16	- —
250 vis., 3 color, tanks,	gal.	.17	- —
250 vis., 4 color, tanks,	gal.	.16½-	—
280 vis., 3 color, tanks,	gal.	.18½-	—
4 color, tanks.	gal.	.18	- —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.			
Penn., bright, 600, 10-15 pour, tanks.	gal.	.28	- .32
25 pour, tanks.	gal.	.30	- .33
cylinder, 600 fire, tanks,	gal.	.17	- —
600 flash, tanks.	gal.	.21	- —
630 flash, tanks.	gal.	.23	- —
635 fire, tanks.	gal.	.19	- —
650 fire, tanks.	gal.	.20	- —
Warren, E, amber, tanks,	gal.	.23	- —
Warren, E, neutral, 150 vis., 3 color, tanks.	gal.	.26	- .29
180 vis., 3 color, tanks.	gal.	.28	- .31
200 vis., 2 color, tanks.	gal.	.29	- .35
spot, Penna., bright, bbls., c.l., f.a.s.	gal.	.28	- —
unfiltered, 600 s.r. bbls., f.a.s.	gal.	.23	- —
600 flash, s.r., bbls., c.l.	gal.	.25	- —
630 flash, bbls., c.l., f.a.s.,	gal.	.28	- —
Warren, E., bbls., c.l., f.a.s.,	gal.	.26	- —
smaller lots, f.o.b.	gal.	.27	- —
Mace, dist., cns., dms.	lb.	1.90	- 1.95
Mandarin, superior, coppers.	lb.	5.50	- 6.25
Menhaden, crude, tanks, f.o.b. Balto.	gal.	.35	Nom.
refd., alkali, dms.	lb.	.0810-	—
tanks	lb.	.0690-	—
blown, dms.	lb.	.0830-	—
kettle-boiled, dms.	lb.	.0930-	—
light-pressed, dms.	lb.	.0750-	—
tanks	lb.	.0690-	—
Mineral, white (see Oil, white mineral).			
Mustard, artif., USP, cns.	lb.	1.60	- 1.70
dist., natural, bots.	lb.	8.50	- 9.00
Neatsfoot, 20° cold test, bbls.,	lb.	.19¼-	—
extra, bbls.	lb.	.09	- —
1, bbls.	lb.	.08¾-	—
pure, bbls.	lb.	.14¼-	—
prime, bbls.	lb.	.09¼-	—
sulphonated, common, 25% moisture, dms.	lb.	.10½-	—
Neroli, bots.	lb.	100.00	-150.00
Nutmeg, USP, cns., dms.	lb.	1.90	- 1.95
Officica, dms.	lb.	.19	- .21
Oleo, 1, bbls.	lb.	.07¾-	—
2, bbls.	lb.	.07½-	—
Olibanum, bots.	lb.	5.00	- 5.25
Olive, denat., bbls.	gal.	.95	- .98
edible, bbls.	gal.	2.00	- —
foots, dms.	lb.	.08¼-	.08½
sulphonated, 50% (42% fat), dms., c.l.	lb.	.11½	Nom.
l.c.l.	lb.	.12½	Nom.
75% (63% fat), dms., c.l.	lb.	.13½	Nom.
l.c.l.	lb.	.14½	Nom.
80% (68% fat), dms., c.l.	lb.	.14½	Nom.
l.c.l.	lb.	.15½	Nom.
Orange, sweet, dist., cs.	lb.	.90	- —
Expressed, African, cns., dms.,	lb.	1.10	- 1.15
Calif, cns.	lb.	1.60	- —
Florida, cns.	lb.	1.20	- 1.25
Messina, USP, coppers.	lb.	3.00	- 3.75
West Indies, cns.	lb.	2.20	- 2.30
terpeneless	lb.	68.00	-69.00
Origanum, cns.	lb.	1.10	- 1.65
Orris, Florentine, concrete, extra strong, bots.	oz.	5.50	- 6.00
Palm, Niger, cks.	lb.	.05½	Nom.
shipment	lb.	No prices	
softs, 12½%, bulk, shipt.	lb.	No prices	
20%, bulk, shipt.	lb.	No prices	
Sumatra, shipt., bulk.	lb.	No prices	
Palmarosa, cns.	lb.	2.75	- 3.00
Palmkernel, bulk, shipt.	lb.	No prices	
Paraffin, 320° flash, 60-70 vis., tanks, G. S.	gal.	.05¼-	—
350° flash, 70-80 vis., tanks, G. S.	gal.	.05½-	—
80-85 vis., bbls., extra, Ind. refy.	gal.	.12	- —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14	- —
360° flash, 100-110 vis., tanks, G. S.	gal.	.05¾-	—
Patchouli, bots., cns.	lb.	4.60	- 5.55
Peanut, crude, dom., tanks.	lb.	.06¾-	.07
refd., edible, bbls.	lb.	.09½-	.09¾
Pennyroyal, dem., cns.	lb.	3.00	Nom.
import, cns.	lb.	2.75	- 2.80
Peppermint, natural, cns., dms.	lb.	2.75	- 3.00
redist., USP, cns., dms.	lb.	3.00	- 3.25
Perilla, dms.	lb.	.21	Nom.
tanks	lb.	.20	Nom.
Petitgrain, Paraguay, cns.	lb.	1.40	- 1.50
Pimento berry, cns.	lb.	4.35	- 7.25
leaf, cns.	lb.	2.65	- 3.00
Pine, dest.-dist., straw-color, dms., dlvd., E. ports	gal.	.53	- .56
steam-dist., dms.	gal.	.50	- —
tanks	gal.	.54	- —
Pineneedle, Siberian, cns.	lb.	1.20	- 1.25
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½-	—
contracts	gal.	.19½-	—
Whiting, Ind.	gal.	.28	- —
dms., c.l., Bost., Provid.	gal.	.25	- —
l.c.l., same basis	gal.	.27	- —
tanks, same basis	gal.	.18	- —
Martinez, Cal.	gal.	.28	- —
Rapeseed, blown, bbls.	lb.	.17	- .17½
denat., bbls.	gal.	1.00	- 1.05
Red, dist. or saponif. dms., dlvd.	lb.	.08½-	.09½
tanks, dlvd.	lb.	.08	- —
Rose, artif., bots.	oz.	2.00	- 2.25
natural, coppers.	oz.	5.25	-22.50
Rosemary, Spanish, cns.	lb.	.75	- .80
dms.	lb.	.70	- .75
Rosin, 1st rectfd., dms.	gal.	.50	- —
2d rectfd., dms.	gal.	.52	- —
3d rectfd., dms.	gal.	.56	- —
Rue, bots.	lb.	3.00	- 3.25
Sage, cns.	lb.	2.75	- 3.00
Sandalwood, E. I., USP, cns.	lb.	5.25	- 5.50
Mysore, cns., case lots.	lb.	No prices.	
Sardine, crude, tanks, Pac. Cst.	gal.	.36	- —
refd., alkali, dms.	lb.	.0810-	—
tanks	lb.	.0750-	—
kettle-boiled, dms.	lb.	.0930-	—
light-pressed, dms.	lb.	.0750-	—
tanks	lb.	.0690-	—
Sassafras, artif., cns.	lb.	.77	Nom.
dms.	lb.	.75	Nom.
natural, cns., dms.	lb.	1.20	- 1.25
Savin, cns.	lb.	3.15	- 3.20
Savory, cns.	lb.	2.00	- 2.25
Sesame, refd., dom., dms.	lb.	.11½-	.11⅝
Shingle stain, bbls., c.l., wks.,	gal.	.19	- —
l.c.l., works	gal.	.20	- —
tanks, works	gal.	.14	- —
Snakeroot, Canada, cns.	lb.	9.50	-10.00
Soybean, dom., crude, dms.	lb.	.06⅝-	.07⅛
tanks	lb.	.06	- —
refd., dms.	lb.	.08	- .08⅛
tanks	lb.	.07¼-	—
Spearmint, dms.	lb.	2.20	- 2.25
Sperm, bleach, 38° dms.	lb.	.1030-	—
45°, dms.	lb.	.0960-	—
natural, dms.	lb.	.0910-	—
Spruce, cns., dms.	lb.	1.00	- 1.25
Sweet, birch, North, cns.	lb.	2.25	- 2.65
South, cns.	lb.	1.45	- 1.50
Tall, crude, dms., c.l., works,	ton.	35.00	- —
l.c.l., works	ton.	40.00	-55.00
tanks, works	ton.	25.00	- —
refined, dms., c.l., works.	lb.	.04	- .05½
l.c.l., works.	lb.	.04½-	.06⅛
tanks, works.	lb.	.03½-	.06
Tallow, acidless, bbls.	lb.	.08½-	—
tanks	lb.	.08	- —
Tansy, cns	lb.	6.00	- 6.25
Tar, pine, cm'l, dms., c.l., dlvd. E. cities.	gal.	.26	- —
E. ports	gal.	.25	- —
l.c.l.	gal.	.26	- —
tanks, dlvd. E. cities.	gal.	.20	- —
rectfd., USP, bbls., dlvd., E. ports.	gal.	.59	- —
Tar acid (see T).			
Oil, teaseed, crude, dms.	lb.	.12½	Nom.
Tea Tree (see Oil, Ti tree).			
Thyme, NF, red, dms.	lb.	1.35	- 1.40
white, dms.	lb.	1.75	- 1.80
Tung (see Oil, chinawood).			
Ti tree, cns.	lb.	2.30	- 2.80
Turkey red (see Oil, castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.	gal.	7.50	Nom.
Valerian, bots.	lb.	8.00	- 9.00
Vetiver, bots.	lb.	3.50	-15.00
Whale, refd., natural, dms.	lb.	.0910-	—
winter, bleach, dms.	lb.	.0950-	—
Wheat germ, cns., dms.	gal.	17.50	-25.00
White, mineral, dom., dms., tech., 50-60 vis., dms.	gal.	.33	- .34
65-75 vis., dms.	gal.	.40	- .46
80-90 vis., dms.	gal.	.41	- .47
USP, 80-90 vis., dms.	gal.	.44½-	.50
95-105 vis., dms.	gal.	.57	- .58
125-135 vis., dms.	gal.	.64½-	.65⅞
140-150 vis., dms.	gal.	.67	- .69
175-185 vis., dms.	gal.	.72½-	.73⅛
200-210 vis., dms.	gal.	.74½-	.75⅛
320-330 vis., dms.	gal.	.78	- .81
335-345 vis., dms.	gal.	.81	- .82
Russian, 80-90 vis., dms.	gal.	No prices	
145-155 vis., dms.	gal.	No prices	
175-185 vis., dms.	gal.	No prices	
335-345 vis., dms.	gal.	No prices	
Wintergreen, natural, North, cns.	lb.	4.00	- 8.00
South, cns.	lb.	3.05	- 3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	lb.	3.85	- 4.00
Wormwood, cns.	lb.	5.85	- 6.00
Ylang-ylang, Bourb., bots., cns.	lb.	5.75	- 6.50
Manila, bots.	lb.	18.00	-24.00

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OIL, PAINT AND DRUG REPORTER February 19, 1940

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Prepared Monthly by U. S. Industrial Chemicals, Inc.

USI ALCOHOL NEWS USI

February ★ A Monthly Series of Technical Articles for Chemists and Executives ★ 1940

Boric Acid, Alcohol Used for Treatment Of Burns and Scalds

Alcohol Acts as Antiseptic and Aids Reduction of Swelling

CHICAGO, Ill.—Extensive burns and scalds caused by dry or moist heat can be satisfactorily treated with a solution of boric acid in alcohol and water, it has been reported here.

The recommended solution is prepared with one part of 95% alcohol and five parts of a saturated aqueous solution of boric acid, applied in the form of a copious wet dressing. Rollers of sterile gauze are soaked in the solution and applied to the burned area, then covered with a layer of fine, pliable gutta percha tissue and a thick layer of absorbent cotton.

Use of Alcohol Important

The use of alcohol in the solution is an important factor in producing its beneficent effects, it is claimed. In addition to its powerful antiseptic properties, the alcohol favors reduction of swelling and firmness of granulations.

U.S.I. manufactures Ethyl Alcohol in three grades for various industrial, scientific, and medical needs. U.S.I.'s 190 Proof Ethyl Alcohol is of consistently high quality and conforms to the specifications of the U.S.P. XI and National Formulary VI. C.P. Ethyl Alcohol, 96%, is extensively used in work requiring a reagent of exceptional purity. Absolute Ethyl Alcohol U.S.P. is employed in hospitals for many scientific purposes, such as staining and dehydrating tissues in microscopic work.

Allied Trades Banquet To Be Held Next Month

Big event next month is the 15th Annual Drug, Chemical, and Allied Trades Banquet, which will be under the sponsorship of the Drug, Chemical, and Allied Trades Section of the New York Board of Trade. Date is March 14; place is the Waldorf-Astoria, New York.

A new bulletin surveys the sources, uses, and properties of glycerine, and also lists the formulas and uses of a number of glycerine derivatives which are now available in limited quantities for research purposes, with commercial production a future possibility. U.S.I. will gladly refer readers to the source from which this bulletin may be obtained.

Uses Dibutyl Phthalate In Making Adhesive Tape

NEW YORK, N. Y.—A new adhesive tape is normally tacky, pressure-sensitive, and cohesive, it is claimed in a patent issued to an inventor here. A backing of cellulose acetate or regenerated cellulose is provided with an adhesive coating including halogenated rubber, it is said. The backing is plasticized by a tack-producing plasticizer, such as dibutyl phthalate.

The same inventor has also patented a transparent wound dressing of a material such as celluloid, which is said to be coated with a material containing chlorinated rubber and a plasticizer.

Dibutyl Phthalate is produced by U.S.I.

Recent Extraction Processes Open New Markets for Ether

Vitamin Concentrates, Glucoside Preparations are Included Among Latest Applications for U.S.I.'s Versatile Solvent

The unusual solvent properties of ethyl ether have been put to new uses in recent months in a number of extraction processes which expand its wide usefulness.

Among the new applications for this solvent is a recently patented process for the preparation of vitamin concentrates. Cod liver oils or other vitamin-containing substances are converted into an aqueous-alcohol saponified mass, and ether is added. The ether, being immiscible with water but partly miscible with the saponified mass, forms a true solution, which is said to permit a more rapid transfer of the therapeutically active substances from oil to solvent than would be possible in an emulsion.

This article describes only a few of the many applications of Ethyl Ether. A more comprehensive list, classified by industries, has been prepared for free distribution. Copies of this list may be obtained by writing U.S.I.

Varied Extraction Uses

Another new patent covers a process for extracting glucosides from oleander leaves. These glucosides are reported to display an action on the heart. According to the patent, an aqueous extract of oleander leaves is extracted with a chlorinated aliphatic hydrocarbon. The glucosides are precipitated by petroleum ether, and the precipitate is then extracted with ethyl ether.

Still another new use for ether, covered by a foreign patent, is in the preparation of extracts from egg yolks. An aqueous suspension of the yolks is stirred with ether and the mass allowed to separate into three layers. The ether layer is separated and the ether evaporated, leaving a product which is said to contain lecithovitellin compounds. Ether is also used in extracting aromatic principles from flowers, particularly those alterable by heat.

Morpholine derivatives of therapeutic value can be prepared by a process involving the use

(*Continued on next page*)

Employs Metallic Salts To Crystallize Insulin

DETROIT, Mich. — Soluble salts of zinc, nickel, cobalt, or cadmium can be used to facilitate the formation of insulin crystals, and at the same time to cause a sharper separation of the basic proteins, it is claimed in a patent issued to an inventor here.

According to the patent, an aqueous solution of insulin is prepared, containing a phosphate buffer, an organic solvent, and the soluble metal salt. In the various steps involved in carrying out the crystallization process, careful control of temperature and pH is extremely important in obtaining satisfactory yields, it is reported.

A number of organic solvents are said to be suitable for use in the process, including butyl alcohol, ethylene glycol, and tri-ethylene glycol.

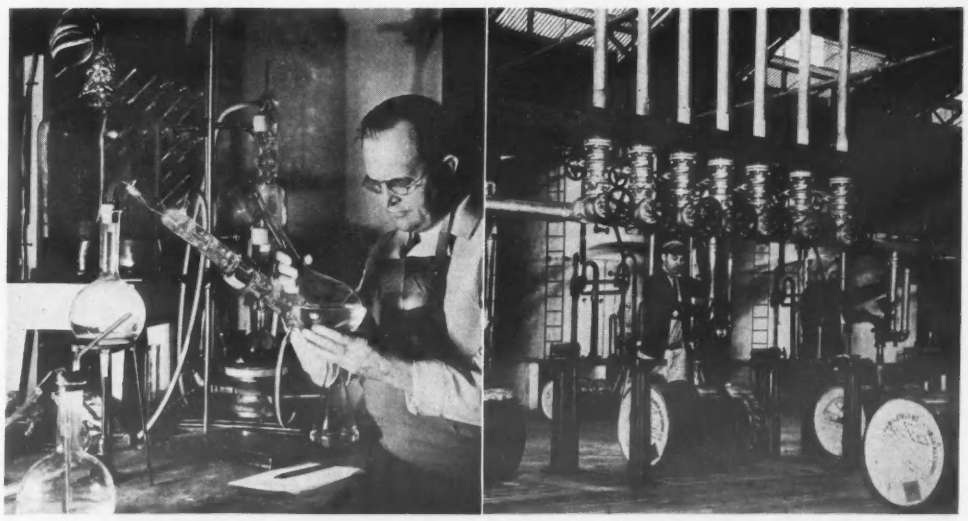
Butyl Alcohol is produced by U.S.I.

Suggests Mixed Solvents to Find Saponification Value

Use of mixed solvents to overcome difficulties in determining the saponification value of such waxes as carnauba and montan is suggested in the *Chemist Analyst.*

The suggested procedure consists in the addition of 10 milliliters of toluene to dissolve 2 grams of the wax, and then heating under reflux condensation with 25 milliliters of 0.7 *N* KOH in ethyl alcohol.

Ethyl Alcohol is produced by U.S.I.



Ewing Galloway

Laboratory analysis and the denaturing of alcohol are two of the many applications of Ethyl Ether. In the laboratory it is used in determinations of fats and oils. As a denaturant it is employed in Formulas S. D. 13A, 19, and 32.

ADVERTISEMENT—*This entire page is a paid advertisement.*

February ★ # ALCOHOL NEWS ★ 1940

Makes Perfume Fixatives From Cellulose Compounds

CHICAGO, Ill.—How a semi-permanent fixative, allowing the slow escape of odors, can be prepared from cellulose compounds is revealed in a patent granted to an inventor here.

The process of making the fixative, it is stated, consists in preparing a solution of cellulose acetate in acetone or some other suitable solvent, and adding a plasticizer, such as diethyl phthalate.

This solution, according to the patent, is of such a character as to permit the formation of sheets or films. Tendency to blush upon setting, it is claimed, can be reduced by the addition of diacetone. Essential oils of flowers or synthetic substances are added to the cellulose solution, in which they are soluble. When the solvent dries, the cellulose acetate sets up a film of very small cellular structure, in which the perfume material is incorporated in a way that is said to result in the slow rate of escape.

Acetone and Diethyl Phthalate are produced by U.S.I.

New Folder Describes Applications of Solox

Typical uses of Solox, U.S.I.'s proprietary solvent, in household, boat, and automobile applications, are described in a four-page folder which has just been issued. Included are helpful directions for the use of Solox in cleaning floors, metal articles, and windows; in conditioning fuel oil; in preventing settling of condensed moisture in fuel tanks; in thawing plugged drains; and in overcoming sticking engine valves.

Copies of this informative leaflet may be obtained by writing U.S.I.

Dissolves Alpha Naphthol By Using Soap and Alcohol

CHICAGO, Ill.—A process for making alpha naphthol soluble in water, in order to form antiseptic solutions, has been patented by an inventor here. A concentrated solution of the alpha naphthol is prepared, it is reported, by the use of potassium soap, some water, and at least one of the group of alcohols consisting of ethyl alcohol and isopropyl alcohol.

Ethyl Alcohol is produced by U.S.I. and Isopropyl Alcohol is sold by U.S.I.

New Uses for Ether

(*Continued from previous page*)

of ethyl ether, it is set forth in another foreign patent. The morpholine is said to be condensed with a halogenated ketone, the reaction taking place in ether at atmospheric temperature.

In Collodion Manufacture

Ethyl ether continues to find wide use in established fields. An outstanding application is in the preparation of collodion, which is extensively employed in the manufacture of medicinal and proprietary products and of photographic emulsions.

Here ether's usefulness is the result of its peculiar property, when mixed with ethyl alcohol, of forming an excellent solvent for nitrocellulose, which is not soluble in either alcohol or ether alone. This property of ether is also responsible for its use in the manufacture of propellants, explosives, nail enamels and lacquers, and nitrocellulose plastics.

Because ether is an excellent solvent for most oils, fats, waxes, gums and resins, it is extensively used in analytical procedures. It has been found useful, for example, in determinations of the unsaponifiable matter in fats and oils, and of fatty acids in soaps. It has also been recommended in a procedure for determining the amount of phenolphthalein in tablets and compressed pills. The procedure is as follows: Extract a weighed sample with acetone in a Soxhlet, evaporate to dryness, and add exactly 50 cc. of *N.* NaOH to dissolve the phenolphthalein completely, then filter. To 25 cc. of the filtrate add a slight excess of acid, then extract three times with ether. Wash the combined ether extract three times with water, filter, remove the solvent, and evaporate to constant weight, which represents half the amount of phenolphthalein in the original sample.

U.S.I. produces ethyl ether in two grades—U.S.P. and Absolute A.C.S. The U.S.P. grade is used for the majority of industrial applications, while the Absolute finds its chief utility in laboratory research and control work. U.S.I. welcomes inquiries on the use of ethyl ether in solvent and extraction processes.

Finds Screw-Capped Bottles Best for Efflorescent Drugs

CHICAGO, Ill.—That glass bottles with screw caps and suitable liners are the tightest practicable containers for efflorescent and hygroscopic chemicals is indicated in a report recently submitted to a combined sub-committee of the American Pharmaceutical Manufacturers Association and the American Drug Manufacturers Association.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A filter press paper is reported to possess exceptionally high wet strength. The paper is placed against the filtering canvas or screen, and the filter cake is deposited on the paper, it is claimed, thus enabling cleaning of the canvas by removing the paper, which carries away the filter cake. **(No. 300a)**

U S I

A gum substitute is said to be completely synthetic, and to have desirable stringiness, producing thick mucilages in low concentrations. The mucilages are said to be low in solids and unusually fast-drying. Suggested uses are in hair waving fluids, emulsions, and similar products. **(No. 301a)**

U S I

A new absorption base readily absorbs 500 per cent water, and is inert to acids, it is claimed. It is reported to be suitable for use in deodorant creams containing acid reacting ingredients. **(No. 302a)**

U S I

Remote sampling is said to be possible with a new pH meter. Sampling trap, it is stated, may be located 500 feet from control laboratory and valves may be used to feed samples from different vats into the trap. **(No. 303a)**

U S I

Modified caseins and caseinates are reported to be suitable for use as a vehicle in medicinal preparations containing alkaloids and heavy metals; as an emulsifier for resins, fats, waxes, and oils; and in massage creams and toilet soaps. **(No. 304a)**

U S I

A wetting agent is said to be free of taste, making it suitable for use in liquid dentifrices, where wetting agents having taste or odor cannot be used. **(No. 305a)**

U S I

A synthetic wax is said to have a melting point of 133-134°C., but to be less hard and brittle than most high-melting waxes. According to the manufacturer, it is insoluble in water, soluble hot in mineral spirits, turpentine, toluol, naphtha, and similar hydrocarbon solvents. **(No. 306a)**

U S I

An alkaline cleaner is reported to be non-corrosive to tin, tin-plate, and aluminum. Maker states that it is a true alkaline cleaner but contains a special agent that inhibits corrosion. It is said to contain no soap, fats, or oils, and to be perfectly soluble in hot or cold water. **(No. 307a)**

U S I

A glass cleaner in liquid form removes all film and scum, leaves no residue, and does not "pile up" with continued usage, it is claimed. **(No. 308a)**

U S I

A sealing machine shortly to be placed on the market is expected to be capable of sealing 1,000 ampoules per hour, ranging in size from 1 to 10 cc., it is reported. **(No. 309a)**

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ALCOHOLS
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Ethyl Alcohol
Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

*ANSOLS
Ansol M
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Butyl Acetate
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Diethyl Oxalate
Ethyl Chlorocarbonate
Ethyl Formate
Ethyl Lactate

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Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

OTHER ESTERS
Amyl Propionate
Butyl Propionate
Dibutyl Oxalate

INTERMEDIATES
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Sodium Ethyl Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone, C.P.
Collodions
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
*Vacatone
*Curbay B-G

Olivine, aggregate, c.l., mines, ton.	7.00	-11.00
Lumps, same basis.....ton.	7.00	- —
Spalls, same basis.....ton.	5.00	- —
ground, 325 mesh, c.l., mines, ton.	20.00	- —
200 mesh, c.l., mines....ton.	17.00	- —
100 mesh, c.l., mines....ton.	15.00	- —
20 mesh to dust.....ton.	12.00	- —
Opium USP, cns.....lb.	11.50	-12.50
gran., cns.....lb.	12.50	-13.50
powd., cns.....lb.	12.50	-13.50
Orange Lake, Persian, bbls....lb.	.39	- .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb.	.10¾	- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb.	.11¼	- —
Colo., Mont., N. M., Wyo..lb.	.11	- —
Other points.....lb.	.10½	- —
smaller lots, dlvd., Ala., etc..lb.	.11¼	- —
Ariz., etc.....lb.	.11¾	- —
Colo., Mont., N. M., Wyo..lb.	.11½	- —
Other points.....lb.	.11	- —
Mineral, French, Tours, casks, ex dock..lb.	.13½	- —
kgs., ex dock.....lb.	.14½	- —
Molybdate, bbls.....lb.	.31	- —
Toner, bbls.....lb.	.80	- —
Orangeflower petals, cs.....lb.	.50	- .65
Orange peel, bitter, bls.....lb.	.09	- .10
sweet, bls.....lb.	.17	- .19
Orris root, Florentine, bgs.....lb.	.12	- .14
fingers, cs.....lb.	1.25	- 1.30
powd., bbls., bxs.....lb.	.16	- .17
Verona, bls.....lb.	.11	- .14
powd., bxs., cs.....lb.	.15	- .16
Orthoanisidin, bbls.....lb.	.70	- —
Orthochloroanilin, dms.....lb.	.60	- .75
Orthochlorophenol, dms.....lb.	.32	- —
Orthocresol, dms., c.l., works.lb.	.16	- —
l.c.l., same basis.....lb.	.16½	- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb.	.06	- —
l.c.l., same basis.....lb.	.07	- —
100-lb. tins, same basis.lb.	.08	- —
50-lb. tins, same basis..lb.	.09	- —
tanks, same basis.....lb.	.05½	- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher		
Orthonitroanilin, dms.....lb.	.55	- —
Orthonitrochlorobenzene, dms..lb.	.15	- .18
Orthonitroparachlorophenol, cns.lb.	.75	- —
Orthonitrotoluene, dms.....lb.	.09	- —
Orthophenetidin, dms.....lb.	.80	- —
Orthotoluidin, dms.....lb.	.19	- —
Osage orange extract, cryst., bbls., lb.	.21	- —
liquid, 42°, bbls.....lb.	.09	- —
51°, bbls.....lb.	.10	- —
Oxyquinolin sulphate, cns., 100-lbs., works..lb.	3.50	- —
bots., cns., 1-50 lbs.....lb.	3.65	- 4.00
Orthotoluene hydrochloride,dms.lb.	.22	- —
Sulphonate, kgs.....lb.	2.00	- 2.05

P

Papain, powd., cs.....lb.	1.50	- 1.60
Paprika, Hungarian, extra fancy, bgs..lb.	.33	- .34
medium, bgs.....lb.	.28½	- .29
Portuguese, extra fancy, bgs.lb.	.31½	- .32
fancy, bgs.....lb.	.30½	- .31
Spanish, extra fancy, cs.....lb.	.36	- .37
Parachlorophenol, dms.....lb.	.32	- —
Paracymene, refd., dms.....gal.	.75	- 1.25
Paradichlorobenzene, dms., c.l.lb.	.11	- .12
l.c.l. .....lb.	.12¼	- .15½
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy..lb.	.05¾	- —
bbls., c.l., N.Y.....lb.	.05½	- .05⅝
124-126 A.m.p., bgs., c.l., Okla., refy..lb.	.06	- .06¼
bbls., c.l., N.Y.....lb.	.05½	- .05⅝
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb.	.05½ Nom.	
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb.	.0660	- —
loose, c.l.....lb.	.0625	- —
125-127 A.m.p., bgs., c.l..lb.	.0675	- —
loose, c.l.....lb.	.0640	- —
128-130 A.m.p., bgs., or loose, c.l..lb.	.0680	- —
131-133 A.m.p., bgs., or loose, c.l..lb.	.0705	- —
133-135 A.m.p., bgs., or loose, c.l..lb.	.0730	- —
135-137 A.m.p., bgs., or loose, c.l..lb.	.0755	- —
138-140 A.m.p., bgs., or loose, c.l..lb.	.0830	- —
143-145 A.m.p., bgs., or loose, c.l..lb.	.0925	- —
151-153 A.m.p., bgs., or loose, c.l..lb.	.70 Nom.	
Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is 5c. lower.		
match, A.m.p. up to and incl. 110-112 bbls. c.l..lb.	.06¼ Nom.	
semirfd., solid., 122-124 A.m.p., bgs..lb.	.06½ Nom.	
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb.	.34	- —
100 to 900 lbs. shipments, same basis..lb.	.35	- —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., c.l., works, lb.	.10	- —
l.c.l., works.....lb.	.11¼	- —
5 and 10-gal. dms., works..lb.	.15	- —
USP, cs., cbys.....lb.	.37	- .45
Paranisidine, dms.....lb.	.75	- —
Paranitroanilin, kgs., works...lb.	.47	- —
Paranitrochlorobenzene, kgs....lb.	.15	- —
Paranitrophenol, kgs.....lb.	.35	- —
Paranitrotoluene, kgs.....lb.	.30	- —
Paraphenylenediamine, bbls....lb.	1.25	- 1.30
Paratoluenesulphonamide, bbls.lb.	.70	- —
Paratoluidin, bbls.....lb.	.48	- —
Pareira brava root, bls.....lb.	.21	- .22
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld. lb.	.23	- .25
less car lot, same basis.lb.	.24	- .26
Passion flower, herb, bls.....lb.	.07	- .08
Patchouli leaves, bls.....lb.	.28	- .30
Pellitory root, bls.....lb.	.28	- .29
Pennyroyal leaves, bls.....lb.	.15	- .16
Pentanes norm., 28-38°, dms., c.l., G.3..gal.	.11¼	- —
l.c.l., G.3.....gal.	.16	- —
tanks, G.3.....gal.	.08½	- —
laboratory grade, dms., c.l., G.3. gal.	.14	- —
l.c.l., G.3.....gal.	.25	- —

Pepper, black, Aleppey, bgs...lb.	.07½	- .07⅝
Lampong, bgs.....lb.	.0420	- .0440
Tellicherry, bgs.....lb.	.07¾	- .08
Red, chillies, Japan, Hontaka, lb.	.19½	- .20
Mombassa, bgs.....lb.	.40	- .41
White, Java, Muntok, bgs...lb.	.07¾	- .08¼
Saigon, bgs.....lb.	.07½	- .08
Peppermint leaves, dom., bls..lb.	.32	- .33
import, bls.....lb.	.45	- .50
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb.	.06	- —
l.c.l., same basis.....lb.	.06½	- —
Zone 2, dms., c.l., works, frt. alld..lb.	.06¼	- —
l.c.l., same basis.....lb.	.09	- —
Zone 3, dms., c.l., works, frt. alld..lb.	.09	- —
l.c.l., same basis.....lb.	.09½	- —
Zone 4, dms., c.l., f.o.b. stock points..lb.	.09	- —
l.c.l., same basis.....lb.	.09¼	- —

All prices on perchlorethylene are frt. alld with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following States: Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

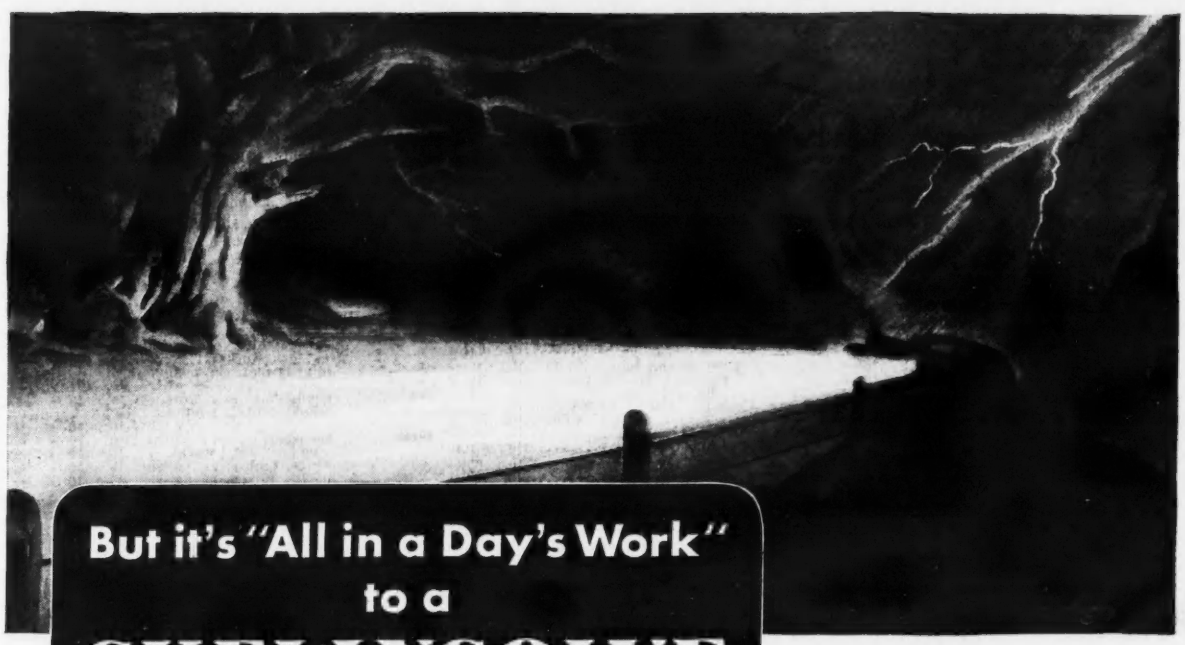
Peru, balsam dms.....lb.	1.10	- 1.15
Petrolatum, amber, dms., c.l..lb.	.03¾	- —
l.c.l. .....lb.	.04¾	- —
amber, extra, dms.....lb.	.04	- —
l.c.l. .....lb.	.05	- —
Petrolatum, veterinary, dms., c.l., lb.	.03⅞	- —
white, cream, dms., c.l.....lb.	.05½	- —
l.c.l. .....lb.	.06¾	- —
lily, dms., c.l.....lb.	.06¾	- —
l.c.l. .....lb.	.07¾	- —
snow, dms., c.l.....lb.	.07¼	- —
l.c.l. .....lb.	.08¾	- —
Petroleum, crude, bulk, at wells:—		
California .....bbl.	.60	- 1.75
Canada .....bbl.	2.10	- 2.17
Central West:—		
Illinois .....bbl.	.53	- 1.00
Lima .....bbl.	.90	- —
Michigan .....bbl.	.82	- 1.02
Princeton .....bbl.	1.05	- —
East Texas.....bbl.	1.10	- —
Gulf Coast.....bbl.	.74	- 1.41
Kentucky, Tennessee.....bbl.	1.02	- 1.10
Louisiana, Arkansas.....bbl.	.73	- 1.20
Mexico .....bbl.	No prices	
Midcontinent:—		
North Texas.....bbl.	.51	- 1.10
Oklahoma-Kansas .....bbl.	.58	- 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford-Allegany ....bbl.	2.75	- —
Corning .....bbl.	1.17	- —
Pennsylvania grade, in Buckeye lines..bbl.	1.70	- —
Eureka lines.....bbl.	2.34	- —
N. Y. Transit lines, bbl.	2.75	- —
S. W. Penn lines...bbl.	2.40	- —
lower district in National Transit lines.bbl.	2.63	- 2.75
Rocky Mountains.....bbl.	.51½	- 1.30
South Central and Southwestern Texas..bbl.	.73	- 1.27
Texas Panhandle.....bbl.	.67	- .96
West Texas.....bbl.	.53	- .95

Olivine—Pet. Naphtha

Petroleum, ether, 30-60°, dms., c.l., G.3..gal.	.14½	- —
l.c.l., G.3.....gal.	.25½	- —
tanks, G.3.....gal.	.13½	- —
35-60°, dms., l.c.l., G.3....gal.	.30½	- —
40-75°, dms., c.l., G.3....gal.	.14½	- —
l.c.l., G.3.....gal.	.25½	- —
tanks, G.3.....gal.	.13½	- —
laboratory grade, dms., c.l., G.3..gal.	.14½	- —
c.l., G.3.....gal.	.25½	- —
10-gal. lots, G.3.....gal.	.50½	- —
lacquer, diluent, at refinery:—		
California, 100 i.b.p., 200 e.p., tanks, delvd. Los Angeles..gal.	.11	- —
San Francisco..gal.	.11½	- —
f.o.b. Richmond.....gal.	.11	- —
Willbridge, Ore., Ft. Wells, Wash..gal.	.12	- —
East Coast, tanks.....gal.	.09¼	- .10
Group 3, toluol type, tanks.. gal.	.07⅝	- —
benzol type, tanks.....gal.	.07⅞	- —
Naphtha, cleaners', at refinery:—		
East Coast, tanks.....gal.	.09	- .10½
Group 3, tanks.....gal.	.06⅞	- .07
tankwagon, Boston, ex tax, gal.	.13½	- —
Bridgeport .....gal.	.13½	- —
Chicago, inc. 4c. tax..gal.	.18	- —
Decatur, inc. 4c. tax..gal.	.1910	- —
Des Moines, inc. 4c. tax, gal.	.1890	- —
Evansville, inc. ex tax.gal.	.15	- .16
Milwaukee, inc. 5c. tax, gal.	.2030	- —

It's an all-night drive

from St. Louis to Eau Claire, Wisconsin



But it's "All in a Day's Work" to a

SKELLYSOLVE FIELD MAN

They needed some expert advice . . . in a hurry! So the Skellysolve field man was there when the plant opened the next morning, ready to track down the trouble. It meant driving all night, but there he was when his specialized knowledge was needed. The fact that the Skellysolve they were using was not the cause of the difficulty was beside the point. The fact that he located the trouble and corrected it was all that mattered. That was rendering "Dependable Skelly Service." That was his job.

You may never require such a demonstration of Skelly's willingness to render more-than-ordinary service. Perhaps Skellysolve's purity, uniformity, close boiling ranges, and *dependability of supply* are all that seem important to you now. But there is reassurance in the knowledge that such technical assistance is available on call. Not alone in cases of emergency. But whenever you desire the counsel of experts who are specialists in solving your solvent problems. Why not discuss your requirements with a Skellysolve man, on a definite no-obligation basis? Let us know when we can have him call.

SKELLYSOLVE
in the
OIL, PAINT and DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved of great value. Write or wire for full information today.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 4814 S. Richmond St., Chicago, Ill.
A. Ernest MacGee, *Manager*
WIRE OR WRITE TODAY FOR INFORMATION OR PRICES!

Petroleum Naph.—Rochelle Salt

Petroleum, naphtha, tankwagon, Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax..gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals.....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
milk cans.....gal. .21 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .18 - —
2, over 90% arom., same basis..gal. .19 - —
3, same basis.....gal. .20 - —
8, tanks, f.o.b. Paulsboro, N. J...gal. .15¼- —
30, same basis.....gal. .16¼- —
40, same basis.....gal. .16½- —
v.m.&p., at refinery:—
California, 46.5, 254 f.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond..gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 f.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle....gal. .11 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .06⅞- .07
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Ind., ex tax, gal. .1520- .1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490- .1590
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax.gal. .1570- —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09½- —
Group 3, light, 120 f.b.p., 250 e.p., tanks..gal. .06⅞- .07
standard, 180 f.b.p., 288 e.p., tanks..gal. .06⅞- .07
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .08⅜- .09½
Group 3, tanks.....gal. .06⅞- .09½
tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax.gal. .1840- —
Evansville, Ind., ex tax.gal. .14 - .15
Milwaukee, inc. 5c. tax.gal .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax...gal. .11 - —
New York, ex tax.....gal. .09½- —
Omaha .....gal. .1360- .14½
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Thinners, at refinery:—
California, 34, 325 f.b.p., 390 e.p., low anilin. 6.000 gal. tanks or tanrsport trucks, f.o.b. Los Angeles..gal. .15 - —
Portland, Ore.....gal. .16 - —
Richmond .....gal. .14½- —
Seattle, Wash....gal. .16½- —
44, 311 f.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore..gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
200 f.b.p., 300 e.p., f.o.b. El Segundo..gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .08¾- .09½
47-49, tanks.....gal. .10½- —
New Jersey, tanks....gal. .09 - —
Group 3, tanks.....gal. .05⅞- .06
tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1950- —
Minneapolis-St. Paul...gal. .1910- —
Newark .....gal. .0991- —
New York (200 gals.)..gal. .0991- —
Omaha .....gal. .1360- .1460
Philadelphia .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .13 - —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns.....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .13 - —
l.c.l., same basis.....lb. .13⅜- —
under 1,000 lbs.....lb. .14¾- —
tanks, works.....lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms. .....lb. .87 - —
50-lb. kgs. .....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb.14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works...lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, long ton. 2.15 - —
72% min., bulk, mines, long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .28
Oxychloride, cyls.....lb. .15 - .16
Pentoxide, dms., c.l., works..lb. .11 - .13
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15¾- —
Pichi leaves, bgs.....lb. .15 - .16
Pilocarpine hydrochloride, bots., vls..oz. 4.00 - 4.25
Nitrate, bots., vls.....oz. 3.90 - 4.15
Pimento, bgs.....lb. .16½- .17
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .06¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .18
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls. .....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .55
Root bark, bgs.....lb. .47 - .48
Poppy flowers, red, bls.....lb. 1.00 - 1.15
Seed, Dutch, bgs.....lb. .13 - .13½
Hungarian, bgs.....lb. .14 - .14½
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd. .....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
Bichromate, spot, c.l., works, lb. .06⅞- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .13½- —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .10½- .13
gran., kgs.....lb. .12 - .14½
powd., kgs.....lb. .10 - .12½
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz.14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb lots...lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys, or cns. lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns... 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.35 - —
bots., or cns.....lb. 1.44 - 1.70
dms. .....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton.12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports..unit-ton. .58½- —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton 17.55 - —
Metabisulphite, kgs.....lb. .18 - .20
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .53½- —
Import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, ex-vessel, Atlantic or Gulf ports.....ton.26.75 - —
basis 60% K_2O, bulk, ex-vessel, Atlantic or Gulf ports, ton.32.10 - —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton.55.00 Nom.
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .38 - .45
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs..lb. .07 - —
Potash, sulphate, NF, cryst., bbls., 400 lbs..lb. .18 Nom.
kgs., 100 lbs.....lb. .20 - —
powd., bbls., 350 lbs.....lb. .19 Nom.
kgs., 100 lbs.....lb. .21 - —
tech., 90-95%, min. 90%, bgs., ex-vessel, Atlantic or Gulf ports..ton.36.25 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt., ton.24.75 - —
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .45 - —
Prickly ash bark, bls.....lb. .15 - .16
Berries, bgs.....lb. .30 - .35
Prince's pine herb, bls.....lb. .25 - .26
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .30 - .32
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03½- —
less than 3, works.....lb. .04½- —
F and 1, bbls., 3 or over, works..lb. .04 - —
less than 3, works.....lb. .04½- —
O, O-½, O-¾, and ½, bbls., 3 or over, works.....lb. .04½- —
less than 3, works.....lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex dock, N. Y..ton.39.00 Nom.
l.c.l., 5-29 tons, ex whse., ton.44.00 Nom.
1,000-10,000 lbs., ex whse..ton.46.00 Nom.
2 bgs., to 1,000 lbs., ex whse, ton.48.00 Nom.
single bgs., ex whse.ton.60.00 Nom.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 6.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms. .....100 lbs. 5.00 - —
standard, dms. .....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
(30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless..gal.10.65 -11.00
Pyrethrum flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh., c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3, 200 mesh, c.l. mines.ton. 7.50 - —
325 mesh, same basis....ton.10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works, lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works..lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08¼- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net, dlvd. N. Y..flasks.180.00 -185.00
European, flasks (76 lbs. net), port of origin, in bond..flask.200.00 - —
ex store.....flask.207.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, cryst., small, cns..oz. 1.01 - —
large, cns.....oz. 1.03 - —
powd., precip., cns.....oz. .96 - —
Sulphate, cns.....oz. .69 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns.....oz .80 - —
Acetate cns.....oz. 1.02 - —
Arsenate, cns.....oz. .95 - —
Arsenite, cns.....oz. 1.04 - —
Bisulphate, cns.....oz. .58 - —
Citrate, cns.....oz. .75 - —
Dihydrobromide, bots.....oz. .78 - —
Dihydrochloride, bots.....oz. .79 - —
Ethylcarbonate, cns.....oz. .80 - —
Ferrocyanide, cns.....oz. 1.04 - —
Formate, cns.....oz. .97 - —
Glycerophosphate, cns.....oz. 1.17 - —
Hydrochloride, cns.....oz. .72 - —
Hydrochlorosulphate, cns....oz. .79 - —
Hydriodide, cns.....oz. 1.02 - —
Hypophosphite, cns.....oz. 1.03 - —
Phosphate, cns.....oz. .86 - —
Salicylate, cns.....oz. .76 - —
Sulphate, USP, X, cns.....oz. .57 - —
USP, XI, cns.....oz. .64 - —
Sulphocarbolate, cns.....oz. 1.03 - —
Tannate, cns.....oz. .60 - —
Tartrate, cns.....oz. 1.00 - —
Valerate, cns.....oz. .96 - —
Quinine buyers must pay a surcharge of 4c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .78 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch, black, bgs.....lb. .08 - .08½
red, bgs.....lb. .12 - .12½
Japanese, bgs.....lb. .06¾- .07
Raspberries, dried, bls.....lb. .65 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis.lb. .80 - —
smaller lots, same basis. lb. .85 - —
kgs., ton lots, same basis. lb. .85 - —
smaller lots, same basis. lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis. lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis. lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis. lb. .90 - —
kgs., ton lots, same basis. lb. .90 - —
smaller lots, same basis. lb. .95 - —
Selenide, bbls., dark, works..lb. 2.50 - —
light, works.....lb. 2.25 - —
orange, bbls., 100-lb lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs. lb. 5.00 - —
dms., 500-lb. lots.....lb. 4.85 - —
100-lb. lots.....lb. 4.95 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y.. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin lake, contracts..lb. 1.10 - —
open order.....lb. 1.15 - —
Lithol toner, bbls., same basis, alizarin, lake, contrs...lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.41 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works. lb. .08½- —
l.c.l., works.....lb. .09¼- —
shell, dom., cs., works.....lb. .12 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y.....lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04⅞- —
ex whse., Chicago, St. Louis..lb. .05¼- —
San Fran., Los Ang., Portland, Seattle..lb. .05¾- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .80
Spanish, oxide, bbls., f.o.b. N.Y. lb. .03¾- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 2.46 - 2.55
Red dyes are listed under Dyes.
Red precipiate, N. F., powd., fib. dms., 50 lbs. or more...lb. 2.66 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works.....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.55 -10.90
Rhubarb, bots.....lb. .55 - .60
powd., bbls., kgs.....lb. .60 - .65
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .22¾- —
smaller lots.....lb. .23¼- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .21¾- —
smaller lots.....lb. .22¼- —

Rose flowers, pale, bls.....lb. .55 - .60
red, bls.....lb. 3.50 - 3.55
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .07 - .08
Rosin, gum, bbls., ex dock, 280 lbs. 6.00 - —
D, bbls.....280 lbs. 6.00 - —
E, bbls.....280 lbs. 6.35 - —
F, bbls.....280 lbs. 6.45 - —
G, bbls.....280 lbs. 6.65 - —
H, bbls.....280 lbs. 6.65 - —
I, bbls.....280 lbs. 6.75 - —
K, bbls.....280 lbs. 6.75 - —
M, bbls.....280 lbs. 6.75 - —
N, bbls.....280 lbs. 6.80 - —
W. G., bbls.....280 lbs. 6.85 - —
W. W., bbls.....280 lbs. 7.45 - —
X, bbls.....280 lbs. 7.45 - —
Rosin, wood, bbls.....280 lbs. 4.75 - 6.50
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 Nom.
l.c.l., f.o.b. mines.....ton.37.50 Nom.
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .42
Spanish, tins.....lb.32.00 -35.00
Sage, Dalmatian, stemless.....lb. .09¼- .09⅝
garden, bls.....lb. .10¼- .10¾
Safrol, cns.....lb. .72 - .77
dms.....lb. .70 - .75
Sago flour, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib, dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton.15.30 - —
l.c.l., dlvd., N. Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.10 - 9.10
1-9 tons.....100 lbs. 8.25 - 9.25
less than ton lots..100 lbs. 8.50 - 9.50
gran., bbls., 10-20 tons, 100 lbs. 7.10 - —
1-9 tons.....100 lbs. 7.25 - —
less than ton lots..100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
Santonin, cryst., cns.....kilo.135.00 -140.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .40 - .41
Mexico, bls.....lb. .17 - .18
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bbls.....lb. .15 - .16
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .09
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .17⅝- —
smaller lots.....lb. .18⅛- —
kegs, 5,000 lbs., 1 shipm't..lb. .18⅛- —
smaller lots.....lb. .18⅝- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, bls.....lb. .82 - .88
Senna leaves, Alexandria, half leaf, bls.....lb. .15 - .16
siftings, bgs.....lb. .14 - .15
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½ - .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .78 - .80
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .24 - .25
dlvd. Boston.....lb. .24½- .25½
Chicago .....lb. .24¾- .25¾
Pacific Coast.....lb. .27 - .28
refd., bbls., f.o.b., N.Y....lb. .30 - .31
dlvd., Boston.....lb. .30½- .31½
Chicago .....lb. .30¾- .31¾
Pacific Coast.....lb. .33 - .34
Garnet, bgs.....lb. .20 - .21
Orange, D.C., VSO., Diamond I, cases..lb. .28 - .29
Superfine, bgs., f.o.b. Bost., N.Y..lb. .16 - .16½
dlvd., Chicago.....lb. .16½ - .17
Pacific Coast.....lb. .19 - .19½
T.N., bgs., f.o.b. Bost..., N.Y., lb. .15 - .15½
dlvd., Chicago.....lb. .15½ - .16
Pacific Coast.....lb. .18 - .18½
Varnish, Metro., area, orange, 5-lb. cut., bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....lb. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works.ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..., ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
bgs., l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34⅜- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
50 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .29⅞- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra bark, bls.....lb. .33 - .45
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Blue, cnts.....lb. .07 - .08¼
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .12 - .14
Smalt, black, extra velvet, cnts., lb. .65 - .68
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .14 - .16
crushed, bls., bbls.....lb. .18 - .20
cut, German, bls., bbls.....lb. .35 Nom.
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .21 - .23
Soda, acetate, anhyd., dms., dlvd., lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works, lb. .71 - .95
Antimoniate, bbls.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¼- .09¼
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda, ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c. l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —

Rose Flowers—Soda Ash

Soda, ash, light, 58%, bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; Texas, E. of 100° Meridian and S. of 31° parallel; La., Miss., Ala., South of 31° parallel and Fla., in Me., N.H. and Vt. special local zone prices apply for ship't to various counties. Zone 2, Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa, (except Davenport) Ga., Minn., Mo. (except St. Louis) N. and S.C., and Tenn. Zone 3, Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso) N. and S.D., Okla., Ark., W. of 93° Meridian. Zone 4, El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N.M., Utah and Wyo.

23 Years of ACETYL SALICYLIC ACID U.S.P. Production

When Buffalo Bill died in 1917, his passing severed almost the last link with the "wild West." Women were wearing high buttoned shoes then; George M. Cohan was writing "Over There"; and the Eighteenth (Prohibition) Amendment was being submitted to the forty-eight states.

That was the interesting period — 23 years ago — when Dow began the production of Acetyl Salicylic Acid, U.S.P. Today Dow is the foremost producer of this chemical for use as an antipyretic, antirheumatic, and analgesic and for many other purposes in the drug and pharmaceutical trades.

Dow recognized the need of pharmaceutical manufacturers for a granulation of acetyl salicylic acid made by a dry pre-compression process for direct feeding to tableting machines. And Dow pioneered the manufacture of granulations with starch by this process.

There is no brand of aspirin tablet bearing the Dow name, but Dow supplies vast quantities of acetyl salicylic acid which makers of aspirin tablets and combinations use for this invaluable analgesic.

Dow Acetyl Salicylic Acid, U.S.P., is shipped in kegs (100 lbs. net); and bbls. (200 lbs. net).

DOW

THE DOW CHEMICAL COMPANY
1790 EAST MAIN STREET, MIDLAND, MICHIGAN

Branch Sales Offices: 30 Rockefeller Plaza, New York City; Second and Madison Streets, St. Louis; Field Building, Chicago; 9 Main Street, San Francisco; 4151 Bandini Boulevard, Los Angeles

Soda Benzoate—Soda Silicate

Soda, Benzoate, tech., bbls., 4,000 lbs. or more..lb. .30 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
4,000 lbs. or more.....lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52

Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y..100 lbs. 2.76 - —

Bichromate, spot., c.l.,works.lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07½- —
Bifluoride, bbls.....lb. .11¼- .12

Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —

Soda, bisulphite, solution, 85 deg., bbls., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
44 deg., bbls., works, 100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).

Caustic, flake, 76%, powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyers' tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70% buyers' tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76% ammon. process, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —

Soda, caustic, electro process, dms., c.l., works..100 lbs. 2.30 —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

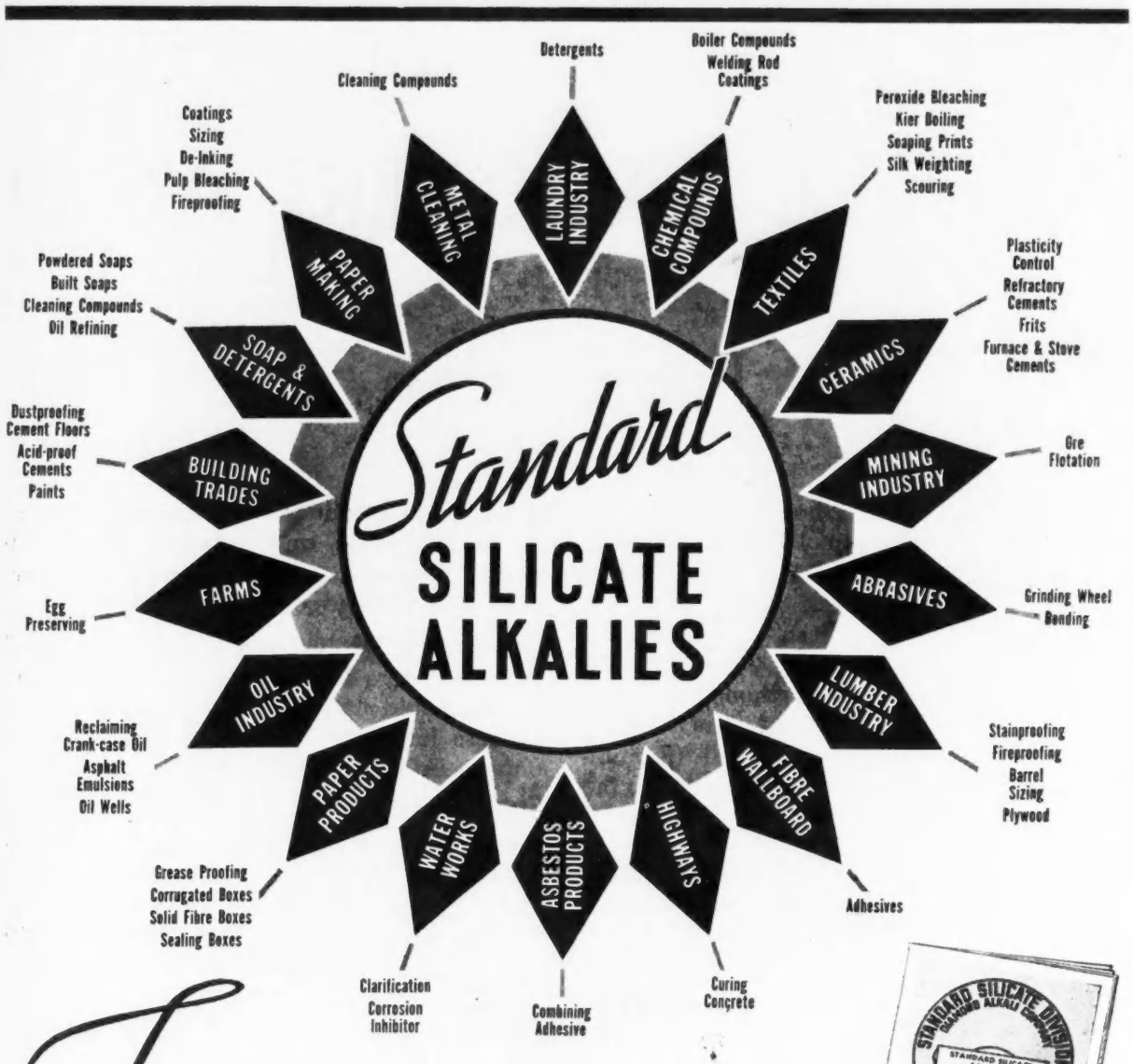
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works,. lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08⅜- —
smaller quantities.....lb. .08⅜- —

Citrate, USP, VIII, gran., bbls., 225-lb. lots..lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —

USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —

Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....No price
Cyanide, gold, 46% gold, bots., works..oz. 15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —

Soda, fluoride, white, 90%, bbls., l.c.l., 10 or over, same basis, lb. .07½- —
1-9, same basis.....lb. .08 - —
95% bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100-lb. lots..lb. .20½- .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd..100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works...100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., works, lb. 3.10 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.30 - —
bots. .....lb. 2.41 2.47
Mandelate, bots., 5 lbs.....lb. 3.80 - —
lib. dms., 100-lb. lots.....lb. 3.65 - —
smaller lots.....lb. 3.15 - 3.20
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, nhy., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y., 100 lbs. 4.65 - —
3-14 dms., same basis..100lbs. 4.80 - —
1-2 dms., same basis..100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd. N.Y., lb. 3.10 - —
1-9 bbls., dlvd. N. Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton. 29.00 - —
200 lb. bgs., same basis.ton. 28.30 - —
bulk, same basis.....ton. 27.60 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. price range represents delivery at various points.
Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¾- —
Pentachlorphenate, briquets, single bgs. works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works...lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhy., bgs., c.l., works, frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd., N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and Caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd., N. Y. C..lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —



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C-1

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Cyanamid's TSPP Anhydrous

Cyanamid's Tetra Sodium Pyrophosphate has properties that give *new selling power* to soaps, cleaning compounds and many other detergents.

Among the advantages it imparts to products in which it is used are—increased sudsing, detergent, water softening and emulsifying powers.

Moreover, it is so powerful in its action that *a little goes a long way.* It can be used *sparingly* and is, therefore, surprisingly economical as well as effective.

Give *your* products the benefit of the remarkable properties of this detergent aid —low pH, high water softening and emulsifying power, freedom from odor, ready solubility and unusual stability in water solutions. A leaflet describing the special advantages and uses of Cyanamid's TSPP Anhydrous will be mailed to you on request.

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the 15th Annual Drug, Chemical and Allied Trades Banquet to be held at the Waldorf-Astoria on Thursday Evening, March 14.

American Cyanamid & Chemical Corporation
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

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L.O. in the TITANOX language actually *means* low oil absorption. Special study of this characteristic in the research laboratories, followed by physical improvements and refinements in texture, have resulted in the production of four improved low-oil pigments compatable with all requirements.

Four types of TITANOX-A are available in the low-oil grade and they are the easiest to wet, grind and disperse among low-oil pigments. Their fineness and ease of wetting and dispersion in addition to low oil absorption mark them as distinctive in their field.

TITANOX-A LO
popular in enamels and lacquers.

TITANOX-ANC
recommended for colored or tinted chalk resistant enamels and *house paints.*

TITANOX-A, No. 168 LO
particularly suited to baked and other high gloss alkyd resin finishes.

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adaptable to all exterior white and tinted coatings—highly chalk resistant.

Our Paint Service Department will be pleased to furnish technical data on the low oil absorption of TITANOX pigments

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TITANOX — THE NEW WHEEL HORSE OF THE PAINT INDUSTRY — REG U.S. PAT OFF

TITANOX
TRADE MARK

Soda, silicate, 52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. No prices
import, bbls.....lb. .05¾- .06¼
Stannate, dms.....lb. No prices
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls.....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns.....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
High-flash, dms., works, frt. alld..gal. .31 - —
tanks, cane basis.....gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- —
l.c.l.....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .13¾- —
l.c.l., works.....lb. .14 - —
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .20 - .22
Spikenard root, bls.....lb. .21 - .22
Spruce extract, reg., bbls., c.l., workslb. .01⅝- —
tanks, works.....lb. .01⅛- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01⅞- —
tanks, works.....lb. .01⅜- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .15 - .16
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .09 - .11
inedible, bls.....lb. .07 - .09
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.60 - —
dlvd., N. Y.....100 lbs. 2.95 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.70 - —
dlvd., N. Y.....100 lbs. 3.05 - —
Potato, dom., bgs.....lb. .06¾- —
import, bgs.....lb. .06½ Nom.
Rice, bbls.....lb. .07¼ Nom.
Sweetpotato, bgs.....lb. .05½- .06
bbls.....lb. .06 - .06½
Wheat, thick, boil, bgs.....lb. .05½ Nom.
Starch, iodide, bots.....lb. 1.87 - —
Stavesacre, seed, bgs.....lb. .25 - .30
Stearin, oleo, bbls.....lb. .06¼- .06½
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .60 - .65
Stramonium leaves, bls.....lb. .18 - .19
Seed, bgs.....lb. .20 - .21
Strontium bromide, fib, dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 99-100%, precip., bbls, lb. .23 - —
Chloride, tech., bbls.....lb. .18½- —
Iodide, bots., 5 lbs.....lb. 3.00 - —
jars, 25 lbs.....lb. 3.06 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.40 - 3.50
Styalyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cus., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots.. oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls, l.c.l., works.lb. .45 - —
tech, bbls, l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .65 - 1.05—
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.65 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts., long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract, long ton.17.50 - —
ex vessels, Atlantic seaboard, contract.long ton.20.50 - —
Puget Sound, Columbia River, and British Columbia ports, bulk, contract.. long ton.22.00 - —
flowers, bgs., c.l., works..... 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works....100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l. bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
Sulphur, refined, flour, comm'l bgs., c.l., works..100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works...100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works...100 lbs. 2.65 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.50 - —
l.c.l., bgs., works...100 lbs. 2.70 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99½%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l..... 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works, lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
Sulphur, dioxide, refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s..ton.98.00 - —
leaf, bls., f.a.s.....ton.98.00 - —
Extract, 42°, bbls.....lb. .06 - —
51°, bbls.....lb. .07 - —
stainless, bbls.....lb. .07½- .09½
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills, ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 c.l., mills..ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
fibrous, 90.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills..ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -35.00
Italian, 1, bgs., ex dock, arrival, ton.67.00 -70.00
ex whse.....ton.75.00 -78.00
2, bgs., ex dock, arrival.ton.64.00 -67.00
Tallow, animal, edible.....lb. .05⅝ Nom.
extra, loose.....lb. .05¼- —
special, loose.....lb. .05⅛- —
vegetable, ship, cs.....lb. .06 Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾ Nom.
l.c.l. .....lb. .04¾ Nom.
50% (43% fat), dms., c.l., lb. .05¼ Nom.
l.c.l. .....lb. .06¼ Nom.
50% (48% fat), dms., c.l..lb. .05¾ Nom.
l.c.l. .....lb. .06¾ Nom.
Tamarind, W. I., bbls.....lb. .07 - .08
bags .....keg. 6.00 - 8.00
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 3.25 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 3.25 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 3.25 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.25 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Feb. shipt..unit-ton. 3.35 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .02¾- .04½
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .26 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
pore .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .60 - .65
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, kgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms .....lb. .25 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- — tech. (see Perchloroethylene).
Tetralin, dms.....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Threobromine, cns.....lb. 2.10 Nom.
Sodiosalicylate, cns.....lb. 1.85 - —
dms. .....lb. 1.70 - —
5-lb. bots.....lb. 2.01 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .19 - .20
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. .44½ Nom.
Crystals, bbls., kgs.....lb. .36 Nom.
Metal, Straits.....lb. .45¼- —
Oxide, bbls.....lb. .51 - .53
Tetrachloride, anhyd., bbls...lb. .22¾- —
Titanium, dioxide, bgs., c. l. (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- — **lb. .13¼- —**
5 tons, E. frt. pd., Pac. **Cst., ex whse..lb. .13¼- —**
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse..lb. .13½- —
50-999 lbs., E. frt. pd. lb. .13¾- —
Pac. Cst., ex whse..lb. .13¾- —
under 50 lbs., E. frt. pd., lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
bbls., c.l. (20 tons), frt. pd. lb. .13¼- —
l.c.l., 5 tons, E. frt. pd....lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd....lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
bgs., c.l., (20 tons), frt. pd., lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd...lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd..lb. .15½- —
Pac. Cst., ex whse...lb. .15½- —
1,000-9,999 lbs., E. frt. pd. lb. .15¾- —
Pac. Cst., ex whse...lb. .15¾- —
50-999 lbs., E. frt. pd., lb. .16 - —
Pac. Cst., ex whse...lb. .16 - —
barium or magnesium base, bgs., c.l., D. frt. alld., lb. .05¼- —
barium or magnesium base, bgs., l.c.l., dlvd..lb. .05½- —
Pac. Cst., ex whse..lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05¼- —
l.c.l., E., dlvd.....lb. .06¼- —
Pac. Cst., ex whse..lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. Cst., ex whse..lb. .05¼- —
under 50 lbs., E., dlvd....lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05¼- —
l.c.l., E., dlvd.....lb. .06¼- —
Pac. Cst., ex whse.....lb. .05½- —
under 50 lbs., E. dlvd....lb. .06¼- —
Tolidin base, distilled, kgs....lb. .86 - —
Tolu, balsam, cns.....lb. .90 - .95
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .30 - —
tanks, E. of Omaha, frt. alld. gal. .25 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .25 - —
1° nitration, dms., returnable, gal. .31½- —
tanks, E. of Omaha, frt. alld. gal. .26½- —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26½- —
Tonga vine, F, bls.....lb. .55 - .60
root, bls.....lb. .57 - .62
Tonka beans, Angostura, cks..lb. 2.40 - 2.80
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev. Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40¼- .51⅛
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).

Soda Silicate—Wax, Sperm.

Tungsten metal, powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .09½ Nom.
powdered, bgs.....lb. .13 - .13½
Madras, bgs.....lb. .11 Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .36¾- —
l.c.l., 10 ex dock.....gal. .38¾- —
5 ex dock.....gal. .40¾- —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .29 - .31
tanks, dlvd. E. cities....gal. .25 - —
steam-dist., dms., c.l., dlvd.gal. .35 - —
l.c.l., dlvd.....gal. .38 - —
tanks, dlvd.....gal. .30 - —

U

Unicorn root, false (see Helonias root)
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - —
yellow, kgs.....lb. 1.75 - —
Urea, dom., 46+% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.95.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.95.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.101.00 - —
any quantity, f.o.b. Belle, W. Va..ton.95.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
46% N., bgs., smaller lots, f.o.b. N. Y. from whse., ton.101.00 - —
pure, cs.....lb. .13 - —
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —
Urea nitrogen, dom., 42% N_2, bulk, Jan. shipt., f.o.b. Belle, W. Va..ton.57.40 - —
Urea, nitrogen, imported, 40%, N_2, bgs., Jan. shipt..ton.58.25 - —
30%, N_2, bgs., Jan. shipt., ton.42.55 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .45 - .50
Valonia, beards, bgs., f.a.s..ton.46.00 - —
Cups, bgs., shipt., f.a.s...ton.34.00 -36.00
extract, powdered, 63%.....lb. .0565 Nom.
Vanilla beans, Bourbon, tins..lb. 5.75 - 6.25
Mexican, tins.....lb. 6.00 - 6.50
cuts, tins.....lb. 5.50 - 6.00
South American, tins.....lb. No prices
oleoresin pots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb, tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. .70 - .75
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.37.50 -38.75
Extract, solid, bgs.....lb. .04¼- —
Wax, bayberry, import, bgs...lb. .25 - .26
Bees, white, bleach, slabs, cs., 5 case lots..lb. .38 - —
1 cs. lots.....lb. .38½- —
cakes, 5 cs., lots.....lb. .39 - —
1 cs., lots.....lb. .39¼- —
discs, 5 cns., lots.....lb. .40 - —
1 cs., lots.....lb. .40½- —
yellow, crude, Africa, 10-bg. lots..lb. .27 - .27⅛
1 bg.....lb. .27½- .28
Brazil, bgs., 5-10 lots....lb. .27 - .27⅛
1 ton.....lb. .27½- .28
500 lbs.....lb. .28 - .28¼
100 lbs.....lb. .28¼- .29
refd., slabs, cs., lbs.....lb. .31 - .36
Candelilla, bgs., 1 ton.....lb. .18 - .18⅛
jobbing lots.....lb. .18½- .19
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .43 - .44
5 bgs.....lb. .43½- .44⅛
1 bg.....lb. .44 - .45
N. C., 2 bgs., 1 ton.....lb. .46 - .47
N. C., 3, bgs., 1 ton.....lb. .45½- .46
5 bgs.....lb. .46 - .46½
1 bg.....lb. .46½- .47
refined, bgs.....lb. .53 - .54
yellow, No. 1, bgs., 1 ton..lb. .65 - .66
5 bgs.....lb. .65½- .66½
1 bg.....lb. .66 - .67
No. 2, bgs.....lb. .64 - .65
Ceresia, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1-ton.....lb. .13½- .14
jobbing lots.....lb. .14½- .15
Japan, cs.....lb. .15½- .16
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green, congeal. p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25
White lead (see Lead, white).

White Pine—Zinc Oxide

White pine bark, rossed, bls..lb. .07 - .08
White precicipitate, powd., 5-lb. bots..lb. 2.47 - —
dms., 50 lbs. or more....lb. 2.84 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., work.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works....ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet.-grnd., blp., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
glider's bolted, blp., bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.50
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
Paris white, blp., bgs., c.l., works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works .ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 -
Whiting, gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
extra, bgs., l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .13 - .14
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock....ton. No prices.
100 mesh, bgs., ex dock...ton. No prices.
120 mesh, bgs., ex dock...ton. No prices.
Wormseed, American, bgs.....lb. .08 - .09
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .18 - .20

X

Xylol (xylene), indus., dms., returnable, works..gal. .33 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
10°, dms., returnable, works, gal. .35 - —
tanks, E. of Omaha, frt. alld, gal. .30 - —
5°, dms., returnable, works, gal. .42 - —
tanks, E. of Omaha, frt. alld..gal. .40 - —
3°, dms., returnable, works..gal. .47 - —
tanks, E. of Omaha, frt. alld..gal. .45 - —
Xylidin, mixed, dms.....lb. .35 - .3

Y

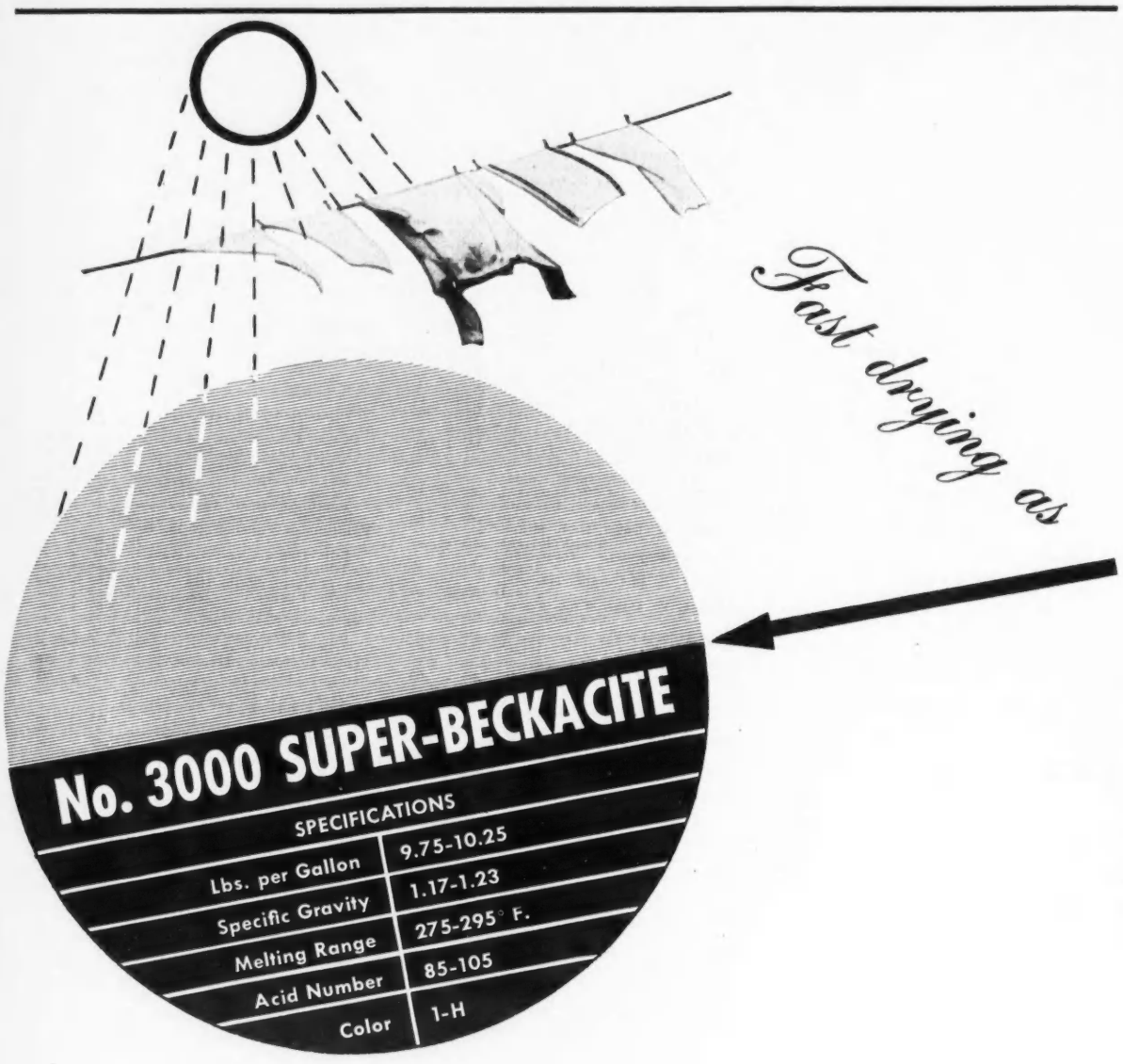
Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbl., same basis....lb. .55 - —
Cadmium, CP, import., bxs., lb. 1.35 - 1.70
lithopone, all shades, bbls., ton, works, frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
lithopone, all shades, kgs., ton lots, same basis..lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.....lb. .13½- —
open order.....lb. .14½- —

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast, for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02½- —
B, bbls., works.....lb. .02⅛- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .0177- —
F, bbls., works.....lb. .01⅛- —
yellow, G, bbls., works...lb. .01⅛- —
H, bbls., works.....lb. .01⅛- —
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import, lb. .02475 Nom.
New York (f.o.b.)..lb. .02⅝ Nom.
Philadelphia for import..lb. .02¾-Nom.
ex dock, San Pedro, San Francisco..lb. .0290 Nom
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom
New York.....lb. .02¾ Nom.
ex dock, Phila., for import..lb. .02¾ Nom
Portland, Seattle...lb. .03⅛ Nom.
San Pedro, S. Francisco..lb. .03 Nom
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom
Chicago, E. St. Louis, Indianapolis, Kan. City, Milwaukee, St. Louis .....lb. .03⅝ Nom.
New York.....lb. .03 Nom.
l.c.l., ex whse., Pittsburgh, lb. .03¼ Nom.
Portland, Seattle.....lb. .03⅝ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N. Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03⅛ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (See O).
Yellow, zinc, bbls., same basis, chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .12
Yerba santa leaves, bls.....lb. .09 - .10
Yohimbine hydrocrrloride, via..oz. 4.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags .....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest. in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .25 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l. works..lb. .0290- —
l.c.l., works.....lb. .04 - .04⅛
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .07½- —
l.c.l., bbls., dlvd.....lb. .08 - —
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06¼- .07⅛
l.c.l., dlvd., except Pac. cst..lb. .06½- .07⅝
bgs., l.c.l., ex whse., Pac. cst.....lb. .06½- .07⅝
bbls., c.l., dlvd....lb. .06½- .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06⅛- —
l.c.l., dlvd., except Pac. cst..lb. .06⅜- —
ex whse.,Pac. cst.lb. .06⅜- —
bbls., c.l., dlvd...lb. .06⅜- —
l.c.l., dlvd., except Pac. cst..lb. .06⅝- —
ex whse.,Pac. cst.lb. .06⅝- —
leaded, 35%, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —



No. 3000 Super-Beckacite imparts as much, if not more drying speed to varnishes than any other pure phenolic resin.

In addition to its faster drying properties, No. 3000 is ideally adapted to the formulation of water and weather resistant finishes of all kinds. Of equal importance is the ability of this pure phenolic resin to gasproof large volumes of china wood oil at low temperatures.

Reichhold, the world's largest producer of surface coating synthetics, has a complete line of alkyd, phenolic and urea resins, processed copals, ester gums and synthetic oils. Write for more complete information.

REICHHOLD CHEMICALS
INCORPORATED • DETROIT, MICHIGAN

Zinc, oxide, pigment, dom., Amer. process, leaded, 35%, bbls., c.l., dlvd..lb.	.06¼-	—
l.c.l., dlvd., except Pac. cst..lb.	.06½-	—
bgs., l.c.l., ex whse., Pac cst..lb.	.06½-	—
leaded, 50%, bgs., c.l., dlvd., except Pac. cst., lb.	.0606-	—
dlvd., Pac. cst..lb.	**.0612-**	—
l.c.l., dlvd., except Pac. cst..lb.	.0631-	—
bgs., ex whse., Pac. cst..lb.	.0637-	—
bbls., c.l., dlvd....lb.	**.0637-**	—
l.c.l., ex whse., Pac. Cst. lb.	**.0662-**	—
French process, com'l, lead free, bgs., c.l., dlvd., lb.	.06¼-	.07⅛
l.c.l., dlvd., except Pac. cst..lb.	.06½-	.07⅝
ex whse., Pac. cst.lb.	.06½-	.07⅝
bbls., c.l., dlvd.....lb.	.06½-	.07⅝
l.c.l., dlvd., except Pac. cst..lb.	.06¾-	.08
ex whse., Pac. cst., lb.	.06¾-	.08
green seal, bgs., c.l., dlvd., lb.	.08 -	—
l.c.l., dlvd., except Pac. cst..lb.	**.08¼-**	—
ex whse., Pac. cst.lb.	**.08⅛-**	—
bbls., c.l., dlvd.....lb.	**.08¼-**	—
l.c.l., dlvd., except Pac. cst..lb.	.08¼-	—
ex whse., Pac. cst.lb.	.08⅛-	—

Zinc oxide, red seal, bgs., c.l., dlvd..lb.	.07½-	—
l.c.l., dlvd., except Pac. cst..lb.	**.07⅝-**	—
ex whse., Pac. cst..lb.	**.07⅝-**	—
bbls., c.l., dlvd.....lb.	**.07⅝-**	—
bbls., l.c.l., dlvd., except Pac. cst..lb.	.08 -	—
ex whse., Pac. cst..lb.	.08 -	—
white seal, bgs., c.l., dlvd. lb.	.08¼-	—
l.c.l., dlvd., except Pac. cst..lb.	.08⅝-	—
ex whse., Pac. cst..lb.	.08⅝-	—
bbls., c.l., dlvd.....lb.	.08⅝-	—
l.c.l., dlvd., except Pac. cst..lb.	.09 -	—
ex whse., Pac. cst..lb.	.09 -	—
imported, gold seal, cks., ex whse..lb.	.13 -	.14
green seal, bbls., ex whse., lb.	**.10 -**	—
white seal, cks., ex whse., lb.	**.11 -**	**.12⅛**
USP, bbls., c.l.....lb.	**.09¼-**	—
Palmitate, bbls.....lb.	.24½-	.27½
Resinate, fused, pale, bbls..lb.	**.10 -**	—
precip., dms., dlvd.....lb.	**.15 -**	—
Stearate, tech., precip., bbls., ctns., c.l..lb.	**.23 -**	—
l.c.l., 1 ton.....lb.	**.24 -**	—
1,000-2,000 lbs.....lb.	**.25 -**	—
less than 1,000 lbs...lb.	**.26 -**	—
USP, bbls.....lb.	**.24 -**	**.26**
Sulphate, cryst., bgs., c.l., 100 lbs.	2.75 -	—
l.c.l. .....100 lbs.	3.50 -	—
bbls., c.l.....100 lbs.	2.90 -	—
l.c.l. .....100 lbs.	3.65 -	—
flake, bgs., c.l.....100 lbs.	3.10 -	—

Zinc sulphate, flake, bgs., l.c.l., 100 lbs.	3.85 -	—
bbls., c.l.....100 lbs.	3.25 -	—
l.c.l. .....100 lbs.	4.00 -	—
powd., bgs., c.l.....100 lbs.	4.35 -	—
l.c.l. .....100 lbs.	5.10 -	—
bbls., c.l.....100 lbs.	4.50 -	—
l.c.l. .....100 lbs.	5.25 -	—
Sulphide, bgs., c.l., (20 tons), dlvd..lb.	.07½-	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.07¾-	—
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd....lb.	.07¾-	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.08 -	—
barium, pigment, bgs., c.l., dlvd..lb.	.05 -	—
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb.	.05¼-	—
calcium pigment, bgs., c.l., dlvd..lb.	.05 -	—
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb.	.05¼-	—
magnesium, pigment, bgs., c.l., dlvd..lb.	.05¼-	—
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb.	.05½-	—
Sulphocarbolate, NF, bbls....lb.	.24 -	.26
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.15 -	—
l.c.l., works.....100 lbs.	5.50 -	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.05 -	—
l.c.l., dlvd., except Pac. cst..lb.	.05½-	—
ex whse., Pac. cst..lb.	.05⅝-	—

Zinc Oxide—Zirconium

Zirconium nitrate, kgs., works..lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.	75.00 -100.00
white, 98%, grd., kgs., works, lb.	1.80 - 2.00

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the February 5 issue; the next printing will be in the March 4 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 41.

Price Trends of Representative Chemicals, Oils, Drugs: 1935-39

Industrial Chemicals

	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	1938. H.	1938. L.	1939. H.	1939. L.
Acid, acetic, 28%.....	$2.45	$2.40	$2.45	$2.45	$2.53	$2.23	$2.23	$2.23	$2.23	$2.23
Boric, tech., gran....	105.00	80.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00
Chromic	.14¼	.13⅜	.14⅜	.14⅜	.15¼	.14⅜	.15¼	.15¼	.15¼	.15¼
Sulphuric, 66 deg....	15.50	15.50	15.50	15.50	16.50	15.50	16.50	16.50	16.50	16.50
Alum, ammonia	2.75	2.75	2.75	2.75	3.00	2.75	3.15	3.15	3.50	3.15
Alumina sul'ate, com'l.	1.35	1.35	1.35	1.35	1.35	1.35	1.15	1.15	1.15	1.15
Ammonia, anhyd.....	.16	.15½	.16	.16	.16	.16	.16	.16	.16	.16
Bleaching powder.....	2.00	1.90	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Calcium acetate.....	2.10	2.00	2.10	2.10	2.25	1.65	1.65	1.65	1.90	1.65
Arsenate	.06	.06	.06½	.06	.06¾	.06½	.06¾	.06¾	.06¾	.06¾
Chlorine, liq., tech....	2.15	2.00	2.15	2.15	2.15	2.15	2.15	2.00	2.00	1.75
Potash carbonate.....	.07⅞	.06⅞	.06⅞	.06½	.06½	.06½	.06½	.06½	.06½	.06½
Caustic	.06¾	.06¼	.07	.06¾	.07	.06¾	.07	.07	.07	.07
Soda ash, 58% light....	1.05	1.05	1.05	1.05	1.05	.90	1.10	1.10	1.10	1.10
Caustic, elect.....	2.55	2.55	2.55	2.55	2.55	2.30	2.70	2.70	2.70	2.70
Phosphate, tri.....	2.40	2.10	2.10	1.75	2.00	1.75	2.00	2.00	2.25	2.00
Silicofluoride, dom...	.05	.04¾	.07	.04½	.06½	.05⅜	.05¾	.04½	.04½	.04*
Sulphate, anhyd.....	1.15	1.15	1.45	1.15	1.45	1.45	1.45	1.45	1.45	1.45

* Prices withdrawn in December.

Coaltar Chemicals

Anilin oil.....	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15	$0.15
Betanaphthol	.24	.22	.24	.24	.23	.23	.23	.23	.23	.23
Benzol	.18	.15	.18	.16	.16	.16	.16	.16	.16	.16
Creosote oil, crude.....	.12	.11½	.13	.12½	.13½	.13	.13½	.13½	.13	.13½
Cresylic acid.....	.51	.42	.73	.51	.80	.72	.80	.63	.68	.49
Naphthalene, crude....	3.00	1.75	4.00	2.50	3.00	2.00	2.35	2.25	2.25	2.25
Phenol	.14¼	.14¼	.14¼	.13¼	.14½	.13¾	.14½	.14½	.14½	.13
Phthalic, anhydride....	.15½	.15½	.15½	.15½	.15½	.14½	.14½	.14½	.14½	.14½
Solvent naphtha.....	.30	.26	.30	.30	.30	.30	.30	.26	.27	.26
Toluol	.30	.30	.30	.30	.30	.30	.30	.22	.25	.22
Xylol	.30	.26	.30	.30	.30	.30	.30	.26	.27	.26

Dyestuffs, Textile, Leather Chemicals

Cochineal	$0.34	$0.32	$0.32	$0.32	$0.35	$0.32	$0.35	$0.35	$0.37	$0.35
Cornstarch	3.66	3.23	4.19	3.90	4.33	2.63	2.65	2.50	2.75	2.50
Egg yolk.....	.56	.46	.54	.49	.68	.52	.67	.62	.67	.60
Fustic, ext., liq.....	.08½	.08½	.08½	.08½	.09½	.08½	.09½	.09½	.10½	.09½
Logwood, ext., liq.....	.08½	.08½	.08½	.08½	.09½	.08½	.09½	.09½	.10½	.09½
Myrobalans	25.00	23.00	24.50	21.50	31.00	25.50	30.00	24.00	30.00	24.00
Potash bichromate.....	.08½	.08½	.08⅝	.08½	.08⅞	.08⅝	.08⅞	.08⅞	.08⅞	.08⅞
Soda bichromate.....	.06½	.06¼	.06⅜	.06½	.06⅞	.06⅝	.06⅞	.06⅞	.06⅞	.06⅞
Sumac, grd.....	58.00	50.00	65.00	52.00	65.00	59.00	68.00	63.00	78.00	65.00
Valonia	58.00	41.00	64.50	46.00	49.00	46.00	50.00	45.00	57.00	45.00

Paint, Varnish and Lacquer Materials

Acetone	$0.11	$0.11	$0.11	$0.11	$0.06	$0.06	$0.06	$0.05⅝	$0.05⅝	$0.07¼	$0.05⅜
Barytes, dom.....	22.85	22.20	22.85	22.85	22.85	22.85	22.85	22.85	22.85	22.85	
Butyl alcohol.....	.12	.11	.11	.08½	.09	.09	.09	.08½	.09½	.07½	
Carbon, black, Spec. 1.	.0505	.0505	.0505	.0505	.0505	.0355	.03⅜	.03⅜	.04⅜	.03⅜	
Chrome yellow.....	.15	.11	.13	.11	.15½	.13	.14½	.14½	.14½	.13½	
Copal, Manila, W.S....	.09⅜	.08½	.09⅜	.08½	.08⅜	.08½	.08⅜	.07⅞	.12½	.07⅞	
Dammar, Batavia, A/E	.13½	.11⅜	.14½	.12⅝	.17¼	.14½	.17⅜	.12¼	.13⅜	.13⅜	
Ester gum.....	.07⅝	.07¼	.10	.07⅝	.11½	.09	.09	.06¼	.06⅜	.06	
Film scrap, w.w.....	.15	.14	.15	.15	.15	.15	.16	.12	.13½	.11½	
Iron blues.....	.37	.36½	.37	.36	.36	.36	.36	.36	.36	.37	
Nitrocellulose a/s.....	.29	.29	.29	.28	.28	.28	.28	.28	.28	.28	
Ocher, Fr., light.....	.03	.02½	.03	.02¼	.02⅜	.02¼	.02⅜	.02⅛	.02⅜	.02¼	
Red lead.....	.07½	.06½	.09	.07½	.10⅜	.07½	.08	.07¼	.02¼	.0835	
Rosin	6.00	5.15	11.05	5.50	11.75	6.05	7.25	5.05	6.60	5.35	
Shellac, bone dry.....	.31	.19	.23½	.17½	.21	.17	.19	.16½	.25	.18	
T. N.	.21	.14½	.17	.13½	.14	.12	.12	.10½	.19	.19½	
Titanium, white.....	.06	.06	.06	.05¾	.05⅞	.05¾	.05⅞	.05⅝	.06½	.05¼	
Turpentine	.50½	.48	.50⅜	.40¾	.48½	.31½	.36¼	.25½	.34½	.28½	
White lead.....	.06½	.06½	.07¼	.06½	.09	.06½	.07	.06	.07¼	.07	
Zinc oxide, l. f.....	.06½	.05	.05¼	.05	.06¼	.05¼	.06¼	.06¼	.06¾	.06½	

Oils, Fats, and Waxes

Beeswax, Afric.....	$0.23½	$0.21	$0.26	$0.23	$0.29½	$0.25	$0.25	$0.19	$0.30	$0.19
Candelilla wax.....	.16	.10	.16	.15	.15½	.13	.15¼	.13½	.18½	.15¼
Carnauba wax, 3, chalky	.39	.21	.36	.33½	.38⅜	.33	.33½	.29	.45	.27½
Chinawood oil.....	.35	.088	.1860	.1260	.2400	.1180	.1600	.0920	.26	.14
Coconut oil.....	.06⅜	.03½	.09¼	.03⅞	.10¼	.03⅞	.04¼	.03	.04½	.02½
Corn oil, crude.....	.11	.08⅜	.10¼	.08	.10¼	.06½	.08	.06¼	.07	.04⅞
Cottonseed oil, crude..	.01050	.0800	.1000	.0750	.1050	.0587½	.0750	.0587½	.06½	.04¼
Japan wax.....	.08¾	.06	.09¾	.08¼	.11	.09½	.10¾	.09¼	.17½	.09¾
Lard	16.90	10.90	13.70	10.25	14.15	8.80	9.65	7.40	8.75	5.75
Lard oil.....	20.50	13.50	16.25	12.25	16.75	12.75	12.75	10.25	10.75	8.50
Linseed oil.....	.0960	.0770	.0970	.0880	.1070	.0960	.0970	.0750	.1020	.0780
Menhaden oil.....	.35	.25	.36	.28	.45	.34	.40	.27	.36	.21
Neatsfoot oil.....	17.00	16.25	16.75	16 90	18 25	17.00	17.25	15.25	.20¼	.14⅜
Olive oil.....	.94	.80	1.00	.70	1.05	1.15	1.15	.86	1.35	.80
Perilla oil.....	.10½	.07¼	.11	.08	.13¼	.10½	.11	.09	.1800	.0800
Red oil.....	.08¾	.06½	.09¾	.07	.10⅜	.08⅜	.08¾	.06½	.08½	.06½
Sardine oil.....	.38	.24½	.46	.28	.54½	.36	.46½	.28	.38	.22
Soybean oil.....	.1000	.0800	.1050	.0700	.1080	.0600	.07	.05¾	.06½	.04½
Stearic acid.....	.11¼	.09½	.11½	.08½	.12½	.11	.11	.10	.12½	.10
Tallow	.07⅜	.05⅜	.08⅜	.04⅛	.10¼	.05⅞	.06⅝	.04½	.06¾	.04⅜

Drugs and Fine Chemicals

Agar agar, I.....	$0.90	$0.52	$0.90	$0.67	$1.15	$0.72	$1.05	$0.85	$1.50	$0.90
Alcohol, S.D. 1.....	.31	.295	.31	.23	.27	.26	.27	.22	.22½	.19½
Aloin	1.60	1.30	1.60	1.50	2.00	1.50	2.05	2.00	3.25	2.65
Bismuth subcarbonate, Metal	1.65	1.40	1.40	1.40	1 40	1.23	1.53	1.22	1.73	1.52
Cadmium metal.....	.90	1.00	1.00	1.00	1.00	1.00	1.05	1.05	1.25	1.05
Calomel	.85	.55	1.05	.85	1.60	1.05	1.60	.85	.85	.55
Castor oil.....	1.11	1.01	1.40	1.01	1.59	1.40	1.50	1.18	2.67	1.44
Corn syrup, 42°.....	3.03	3.18	4.10	3.05	4.36	3.11	3.12	2.89	3.27	2.92
Corrosive sublimate, cryst.	.76	.71	1.05	.76	1.30	1.20	1.30	1.05	2.14	1.26
Cream of tartar.....	.17¾	.17¼	.17¼	.15	.19¾	.15	.22¾	.19¾	.25¾	.22¾
Epsom salt.....	2.15	1.90	1.90	1.90	2.00	1.90	1.90	1.90	1.90	1.90

Drugs and Fine Chemicals (Continued)

	1935. H.	1935. L.	1936. H.	1936. L.	1937. H.	1937. L.	1938. H.	1938. L.	1939. H.	1939. L.
Iodine, resubl.....	1.90	1.65	1.65	1.50	1.50	1.50	1.75	1.50	2.00	1.75
Iron-ammonia citrate, b., s.....	.52	.49	.49	.37	.37	.37	.37	.37	.37	.37
Menthol	3.75	2.80	3.75	3.10	3.40	3.10	3.25	3.10	3.35	2.95
Quicksilver, domestic..	75.00	69.50	94.00	74.00	97.00	81.00	82.00	72.00	100.00	77.00
Quinine	.51	.51	.53	.51	.53	.53	.54	.53	.64	.54
Santonin	70.00	26.00	43.00	30.00	43.00	25.00	25.00	21.00	55.00	19.00
Silver nitrate.....	.50	.30⅜	.33¼	.32½	.33⅜	.32¼	.32⅝	.31½	.31½	.28⅜
Thymol	1.85	1.65	1.65	1.55	1.65	1.55	1.65	1.40	1.50	1.40
Vanillin, ex eugenol...	4.00	3.00	3.90	3.75	3.65	3.10	3.10	2.10	2.60	2.10

Botanical Drugs, Spices, and Gums

Aletris root.....	$0.30	$0.27	$0.30	$0.29	$0.45	$0.30	$0.45	$0.38	$0.40	$0.37
Arnica flowers.....	.30	.15	.33	.25	.35	.27	.33	.28	.75	.27
Belladonna leaves.....	.18	.14	.14	.14	.14	.14	.14	.12½	.29	.12
Cascara sagrada bark..	.11	.08	.12	.11	.14½	.11¾	.11¾	.09½	.14	.09
Dandelion root.....	.24	.18	.23	.18	.23	.19	.19	.13	.22	.13
Digitalis leaves.....	.30	.24	.26	.23	.65	.24	.65	.38	.40	.35
Ergot, U.S.P.....	2.10	.34	2.25	1.35	2.05	1.50	1.65	1.25	3.50	1.25
Golden seal root.....	2.00	1.05	2.85	2.00	3.55	2.85	3.65	2.75	3.60	2.75
Gum arabic, sorts.....	.13	.09½	.10¾	.09	.14½	.09⅝	.11¾	.09½	.24	.09½
Henbane leaves.....	.28	.19	.22	.20	.21	.19	.19	.15	.65	.14
Lavender flowers, select	1.05	.60	1.05	.63	.60	.50	.50	.40	1.50	.40
Lycopodium	.80	.32	1.25	.80	1.40	.95	1.30	.93	4.00	.92
Myrrh	.40	.22	.40	.35	.45	.40	.36	.35	.70	.35
Papain	3.25	1.75	1.75	.95	2.75	.95	2.75	1.08	2.00	1.10
Rhubarb root.....	.38	.23	.35	.30	.75	.32	.65	.30	.55	.35
Saffron, Spanish.....	12.25	9.50	18.00	11.50	23.00	14.00	30.00	23.00	60.00	20.00
Senega root.....	.33	.23	.36	.33	.60	.36	.70	.50	.85	.56
Stramonium leaves.....	.13	.08	.11	.07	.11	.11	.13½	.10	.17	.13
Tonka beans, Angost..	2.75	1.85	2.50	2.50	2.50	2.50	2.50	2.40	2.40	2.35
Valerian root.....	.23	.13½	.13½	.11	.11	.09	.12	.08½	.30	.09½
Vanilla beans, Bourb..	2.70	2.00	3.75	2.40	4.75	3.25	4.40	3.35	6.50	4.75
Mexican	3.25	3.00	4.00	3.00	4.75	4.00	4.75	4.25	6.50	5.00

Essential Oils

Anise	$0.50	$0.40	$0.95	$0.50	$1.35	$0.70	$1.25	$0.70	$0.85	$0.65
Bergamot	1.80	1.30	2.95	1.60	4.00	2.95	4.00	3.65	4.50	3.65
Cassia	1.52	1.10	1.10	.90	1.25	.90	1.20	.84	1.30	.85
Citronella, Ceyl.....	.28	.22	.29	.18	.42	.32	.42	.32	.36	.32
Clove	.90	.83	1.05	.88	1.25	1.05	1.07	.95	1.55	.95
Geranium, Alg.....	5.25	4.50	5.25	4.50	4.85	4.00	4.00	2.85	3.25	2.65
Lavender, 30-32°.....	3.00	2.55	2.75	2.55	2.25	2.25	2.25	2.00	3.75	2.00
Lemon, Calif.....	1.70	.60	3.00	1.00	3.50	2.60	2.50	2.50	3.00	2.00
Italian	1.85	.95	2.85	1.00	3.75	2.60	4.00	3.00	3.50	2.60
Lime, dist., Mexican..	6.00	4.35	5.75	5.45	6.10	5.40	5.40	3.35	4.15	2.50
Orange, Calif.....	3.00	2.00	3.25	2.25	3.25	1.75	1.75	.95	1.50	.75
Italian	2.95	1.50	2.75	1.90	4.00	2.25	2.25	2.25	3.25	1.90
Peppermint, redist.....	3.20	2.05	2.55	2.10	2.80	1.75	2.35	2.15	2.75	2.20
Spearmint	1.75	1.60	2.00	1.40	1.90	1.65	1.70	1.60	2.00	1.70
Thyme, red.....	1.35	.58	.85	.68	.85	.69	.85	.69	1.35	.85
White	.80	.65	.80	.80	.85	.78	.85	.78	1.75	.85
Wormwood	2.75	2.45	3.00	2.25	3.00	2.00	3.25	2.65	5.35	2.65

Petroleum Solvents, Lubricants, Fuels

Cylinder stock oil, bright, Pa.....	$0.23	$0.18½	$0.25	$0.23	$0.29	$0.20	$0.20	$0.18	.17½	.08
Gasoline, 65 oct., G.3...	.05⅝	.04¼	.05⅝	.04½	.06	.04⅜	.04⅜	.03⅞	.05	.03⅜
Kerosene, 41-43, G.3....	.03⅜	.03	.04⅜	.03	.04¼	.03⅜	.04⅛	.03⅞	.04½	.03⅜
Paraffin, scale 124-126, N. Y.....	.03¼	.1090	.0255	.02¼	.0295	.0140	.0235	.0185	.0700	.0395
Petrolatum, L. w.....	.06	.05¼	.06	.06	.06	.06	.06	.05¼	.07¼	.05½
Petroleum thinner, G.3	.05⅞	.05⅞	.06⅜	.05⅞	.06⅞	.05⅞	.06⅜	.05⅜	.06	.05½
Stoddard solvent, G.3..	.06⅜	.06⅜	.06⅞	.06⅜	.07⅜	.06⅜	.06⅞	.05⅞	.06½	.05⅞
V.m.p. naphtha, G.3..	.06⅞	.06⅝	.07⅜	.06⅞	.07⅞	.06⅞	.07⅜	.06⅜	.07	.06⅞

Fertilizer Materials

Ammonia sulphate.....	$24.00	$21.50	$26.00	$24.00	$28.00	$26.00	$27.75	$27.25	$28.00	$28.00
Phosphate rock, Fla. 68%	3.40	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.90	1.90
Potash, manure salt...	.48	.43	.55	.48	.58½	.55	.58½	.58½	.58½	.58½
Muriate	.45	.40	.50	.45	.53½	.50	.53½	.53½	.53½	.53½
Soda nitrate.....	23.50	23.50	25.50	23.50	27.00	25.50	27.00	27.00	27.00	27.00
Superphosphate	8.00	7.75	7.75	7.75	8.50	7.50	8.00	8.00	8.00	8.00

Gelatin Data: 1939

Statistics covering production, stocks, imports and exports of edible gelatin for the four quarters in 1939 and 1938 were as follows, according to the Bureau of the Census, Department of Commerce:—

	Pounds 1939.	Pounds 1938.
Production—		
First quarter.....	6,340,019	6,305,042
Second quarter.....	6,322,807	6,147,247
Third quarter.....	6,340,019	6,307,042
Fourth quarter.....	6,355,515	5,233,554
Stocks—		
First quarter.....	8,909,144	9,969,040
Second quarter.....	9,477,587	9,913,751
Third quarter.....	8,909,144	9,969,040
Fourth quarter.....	8,844,350	8,003,566
Imports—		
First quarter.....	599,121	1,342,780
Second quarter.....	688,095	810,559
Third quarter.....	599,121	1,342,780
Fourth quarter.....	708,477	610,620
Exports—		
First quarter.....	75,493	61,580
Second quarter.....	78,802	114,670
Third quarter.....	75,439	61,580
Fourth quarter.....	118,945	62,412

Oils Sulphonation Up 31 Percent in 1939

The sulphonation of oils and fats increased 31 percent in 1939 over 1938, according to canvasses by the Bureau of the Census. The amounts of specific products sulphonated during the two years were as follows:—

	Pounds 1938.	Pounds 1939.
Tallow	5,530,824	6,822,860
Neatsfoot oil.....	1,272,073	1,613,292
Cod oil.....	5,810,860	8,581,126
Sperm oil.....	1,999,645	2,908,992
Red oil.....	1,338,949	1,603,761
Miscellaneous	340,706	341,393
Totals, animal.....	16,293,057	22,071,424
Coconut oil.....	921,001	631,369
Corn oil.....	275,842	435,470
Olive oil.....	1,097,647	1,591,321
Castor oil.....	10,647,909	14,300,037
Teaseed oil.....	5,142,807	5,176,441
Miscellaneous	640,976	1,639,389
Totals, vegetable.....	18,706,182	23,774,027
Totals, all kinds.....	34,999,239	45,845,451

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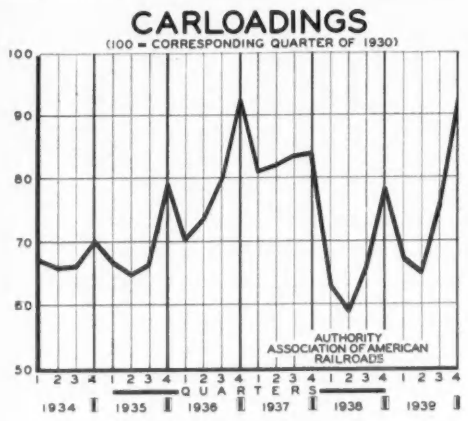
Chemical Business Active at Yearend

—*Continued from page* 3

textile and leather industries in the fourth quarter. Prices of paint, varnish, and lacquer materials were reduced during the third quarter, and at the end of the year were 4.1 percent below the corresponding 1938 level.

Foreign trade in chemicals, oils, and drugs was substantially increased during the fourth quarter, especially on the export side. In the year's export record, which showed a gain of 16.1 percent over 1938, the lead was held by heavy chemicals; the smallest increase was in fertilizer materials. Exports of petroleum and its products were 1.2 percent less than in 1938. Imports of chemicals, oils, and drugs in 1939 were 4.9 percent larger than in 1938. The biggest increase was in natural dyestuffs and tanstuffs; the smallest, in heavy chemicals. Imports of oils, fats, and waxes, of drugs and fine chemicals, and of fertilizer materials were smaller than in 1938.


CARLOADINGS
(100 = CORRESPONDING QUARTER OF 1930)
100
90
80
70
60
50
AUTHORITY ASSOCIATION OF AMERICAN RAILROADS
1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
QUARTERS
1934 1935 1936 1937 1938 1939

Car Loadings

	Number of cars— First quarter.	Second quarter.	Third quarter.	Fourth quarter.
1930..	11,269,184	11,931,392	11,953,125	10,561,378
1932..	7,335,790	6,592,030	6,864,872	7,367,260
1937..	7,098,639	9,829,467	10,110,739	8,954,083
1938..	7,158,227	7,038,776	7,948,796	8,322,745
1939..	7,594,505	7,748,617	9,082,545	9,677,092

Yearly (52 weeks) totals:—

1930	45,717,079
1931	37,151,249
1932	28,179,952
1933	29,220,052
1934	30,845,960
1935	31,504,134
1936	36,063,307
1937	37,992,928
1938	30,468,544
1939	34,102,759

The Outlook

With few exceptions, those expressing such views in the REPORTER's survey felt that the outlook for the future of their business was better at the first of this year than it had been a year before. In no group was there a feeling that conditions pointed toward the worse.

In the weeks that have passed since January 1, conditions in the chemical, oil, and drug industries have not got back to the lower level of a year ago; they have not however improved in general aspect since the end of 1939. Activity has slowed up somewhat as a natural result of the recent expansion of inventories in business in general all the way from raw materials to consumer goods. The steel industry has been somewhat excessively typical of this condition, and it is noticeable in most other lines. This, of course. must be reflected in the chemical, oil, and drug industries, because they are the suppliers of materials for practically all industries.

In one thing the chemical, oil, and drug industries have shown a recent trend that is different from the general one—the level of their prices has been raised materially since the first of the year. They have fitted into the general price picture to the extent that reductions have outnumbered advances; but prices of important materials have been advanced enough to raise the general average. In some instances this has already been reflected in a curtailment of buying; although there is reason for this in the inventory position, it is probable that yearend volumes would have been maintained as a reserve if prices had not been advanced. How long it will take to reduce inventories to a size that will necessitate new buying commensurate with reasonably expectable increases in ultimate consumption can only be conjectured. It is evident that the general volume of business has not fallen below the 1939 average although it is short of the last-quarter rush.

This is a presidential year. What is to be expected of Congress may be predicted on earlier experiences. There is little reason to believe that governmental economy will be substantially developed. This will not necessarily mean more taxes—this is a big election year—but it may mean other burdens, or at least handicaps, which are no less objectionable.

But, the year ahead is full of opportunity, not only for the chemical, oil, and drug industries, but for all industries, if they will take to themselves and for themselves a serious study of the national economy. There are many incongruities. such as the fact that 50 percent (by value) of the goods manufactured in the United States are made in 1.4 percent of the counties. This should give some indication of why the cost of distribution is high. Similarly deserving of study is the disproportionate value of the products of a relatively few industries, which obviously throws earnings, as well as buying, out of balance.

Another matter to which manufacturers—and distributors—could turn with eventual profit is the developing of better relations with consumers in order that there may be a better understanding among the three. "Public relations" is still largely a term with little definite meaning, and some of the efforts in that field are not directed to the desirable and eventually profitable ends.

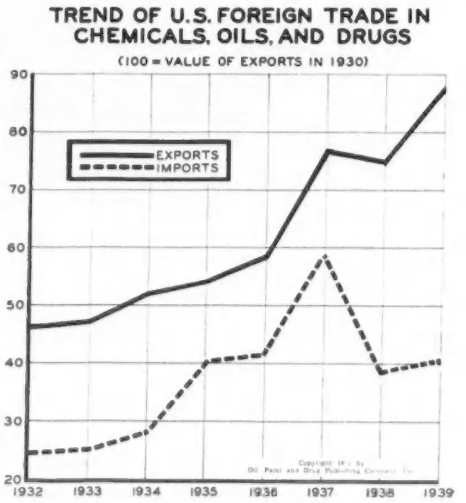
It is impossible to predict what may emerge during the year in national or international affairs. But, 1940 will be good for business in direct ratio to the extent to which business takes proper care of all the affairs which it should not entrust to others or proffer to others through inadequate consideration.

General Statistical Record

Data contributed to the REPORTER's business survey or collated from a variety of relevant sources present the following comparative values of elemental factors in the general business situation during the fourth quarter of 1939, or for other periods or specific dates as designated; particulars for the ten divisions of the chemical, oil, and drug industries are given in the respective market commentaries farther below (the figures in the tabulation represent percentage changes from the fourth quarter of 1938 or from other comparable 1938 periods or dates as indicated):—

Production

	Percent.
Industrial production	+ 22.8
Manufacturing industries	+ 23.5
Capital goods	+ 47.5
Automobiles	+ 6.1
Glass, plate	+ 39.3
Pig iron	+ 70.5
Steel ingots	+ 64.6
Steel barrels and drums	+ 86.5
Zinc	+ 34.4



Foreign Trade in Chemicals, Drugs, Oils

	Exports.	Imports.
1930	$800,631,700	$479,635,000
1931	498,287,300	322,836,100
1932	368,655,200	199,138,300
1933	375,922,500	200,430,200
1934	413,472,400	227,433,600
1935	430,915,400	311,968,300
1936	463,234,000	333,519,400
1937	613,835,600	464,451,500
1938	602,391,600	308,521,200
1939	699,398,000	323,548,000

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(TECHNICAL)

ANNOUNCING the commercial production of Fumaric Acid by an entirely new process. We now offer this Acid at a price which should greatly enlarge its field of industrial application.

Manufacturing Chemists

PFIZER QUALITY
Est. 1849

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Industrial production (continued)—	Percent
Manufacturing industries—	
Consumer goods	+ 7.6
Chemicals, oils, drugs	+ 17.9
(Data for the several groups are in the respective market comments below)	
Alcohol	+ 17.1
Stocks (Dec. 31)	— 30.1
Denatured	+ 13.3
Stocks (Dec. 31)	— 8.2
Ammonia (coke plants)	+ 33.6
Benzol (by-product coke plants)	+ 49.4
Carbon black (Texas)	+ 21.5
Cellulose plastics	+ 9.9
Corn grind	+ 7.7
Cottonseed oil, crude	+ 3.4
Stocks, both grades (Dec. 31)	— 0.9
Gelatin, edible	+ 21.4
Stocks (Dec. 31)	+ 10.6
Glycerin (Jan.-Dec.)	+ 13.1
Stocks (Dec. 31)	— 8.5
Gypsum, calcined	+ 28.9
Linseed oil	+ 19.4
Stocks (Dec. 31)	— 1.2
Margarin	— 15.7
Methanol	+ 63.9
Petroleum, crude (Jan.-Dec.)	+ 2.3
Fuel oils (Jan.-Dec)	+ 4.9
Stocks (Dec. 31)	— 3.8
Gasoline (Jan.-Dec.)	+ 6.8
Motor fuel stocks (Dec. 31)	+ 13.0
Sulphonated oils	+ 22.9
Sulphuric acid (fertilizer mfrs.)	+ 24.3
Stocks (Dec. 31)	— 6.9
Superphosphates	+ 24.9
Stocks (Dec. 31)	— 9.4
Coke	+ 48.2
Leather and products	+ 2.4
Newsprint	+ 10.3
Newsprint consumption	+ 2.3
Paperboard	+ 31.4
Textiles	+ 12.8
Cotton consumption	+ 21.7
Hosiery	+ 11.3
Pyroxylin coated textiles	+ 26.2
Silk deliveries	— 16.0
Wool consumption	+ 6.4
Minerals production	+ 17.1
Anthracite	+ 1.7
Bituminous coal	+ 17.6
Electric energy production	+ 13.3

Building Construction

Building permits and construction	— 5.3
Family dwelling units provided	+ 30.7
Portland cement production	+ 11.5
Portland cement shipments	+ 9.9
Prepared roofing shipments	+ 6.5

Employment

Factory employment	+ 11.2
Capital goods industries	+ 19.1
Consumer goods industries	+ 5.2
Chemical, oil, and drug industries	+ 6.6
Factory payrolls	+ 20.1
Average weekly earnings	+ 8.1
Capital goods industries	+ 31.6
Average weekly earnings	+ 10.6
Consumer goods industries	+ 9.4
Average weekly earnings	+ 4.2
Chemical, oil, and drug industries	+ 12.0
Average weekly earnings	+ 5.1
Labor turnover	— 3.6
Accessions	+ 1.4
Separations	— 9.7

Sales

Manufacturers' sales	+ 20.2
Manufacturers' inventories (Dec. 31)	+ 7.5
Chemicals, oils, drugs sales (volume)	+ 22.9
Chemicals, oils, drugs, sales (value)	+ 30.1
Chemicals, oils, drugs, inventories (Dec. 31)	— 1.3
Corporation earnings in year	+ 87.3
Medicinal preparation sales	+ 6.9
Paint, varnish, and lacquer sales	+ 20.5
Toilet preparations taxes (10%)	— 8.8
Automobile sales, manufacturers	+ 15.1
Retail sales	+ 10.1
Retail financing (new cars)	+ 35.6
Leather and products sales	+ 13.3
Paper sales	+ 24.6
Rubber goods sales	+ 1.4
Rubber, crude, consumption	+ 10.3
Steel barrels and drums shipments	+ 84.0
Textiles and products sales	+ 22.9
Wholesale sales	+ 8.4
Wholesalers' inventories (Dec. 31)	+ 10.9
Chemicals	+ 22.2
Wholesale chemical inventories (Dec. 31)	+ 23.9
Drugs and sundries	+ 1.3
Wholesale drug inventories (Dec. 31)	+ 5.9
Paints and varnishes	+ 5.9
Wholesale paint inventories (Dec. 31)	+ 1.3
Petroleum	+ 8.3
Wholesale petroleum inventories (Dec. 31)	— 1.4
Oil burner shipments	+ 25.7
Retail sales	+ 8.5
Chain stores	+ 10.7
Drugs	+ 1.0
Inventories (Dec. 31)	+ 4.0
Individual retailers	+ 6.3
Drugs	+ 3.4
Filling stations	— 0.3
Department and variety stores	+ 5.7
Department store collections	+ 1.2
Mail-order sales	+ 18.3
Rural retail sales	+ 12.5
Fertilizer tag sales	+ 3.6

Prices

Chemicals, oils, drugs prices (Dec. 31)	+ 10.3
Change during fourth quarter	+ 2.8
General wholesale prices (Dec. 30)	+ 4.8
Change during fourth quarter	+ 0.7
Cost of living	— 0.2
Retail cost of food (Dec. 19)	— 2.2
Individual incomes (including benefits)	+ 7.1
Pay of employees	+ 6.2
Dividends and interest	+ 17.6
Bank debits (Dec. 27)	+ 15.4
Business loans (Dec. 27)	+ 14.5
Brokers' loans (Dec. 27)	— 15.7
Farm income (marketing and bonuses)	+ 13.0
Prices received by farmers	+ 1.6
Prices paid by farmers (all commodities)	+ 1.2

Transportation

Railroad carloadings	+ 16.3
Truck freighting	+ 20.8
Railroad operating income	+ 38.9

Foreign Trade

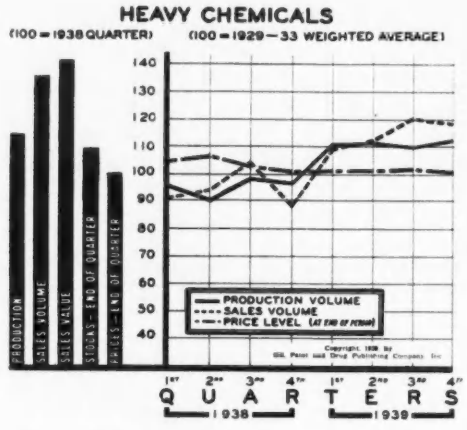
Exports, general (Jan.-Dec.)	+ 2.2
Chemicals, oils, drugs (Jan.-Dec.)	+ 16.1
Imports for consumption (Jan.-Dec.)	+ 16.3
Chemicals, oils, drugs (Jan.-Dec)	+ 4.9

Records of Chemical Groups

From individual records of operations, conditions, and sentiment in the chemical, oil, and drug industries submitted for analysis in the REPORTER'S nationwide survey for the fourth quarter of 1939 the following pictures of the several groups have been constructed:—

Heavy Chemicals

Heavy chemicals were needed in larger quantities for the expanded general manufacturing operations in the fourth quarter, also for the bigger buying for safety's sake, or speculation, or for some other reason. Sales of these materials therefore increased. Larger increases would have been possible if all the opportunities offering from at home and abroad had been accepted.



Producers did not order full speed ahead in these instances, but exercised caution and foresight, and consequently kept first in mind the handling of the increased demands of the regular trade. They did not make a price award to themselves, and the business in heavy chemicals in the period was sound.

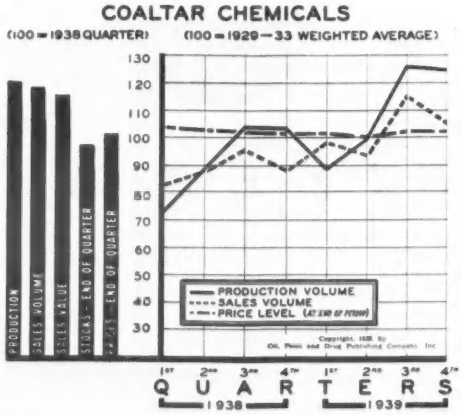
Data contributed to the REPORTER'S survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	+ 11.7
Fourth quarter	+ 15.3
Sales volume, year	+ 24.4
Fourth quarter	+ 35.0
Sales value, year	+ 28.9
Fourth quarter	+ 40.8
Stocks on hand (December 31)	+ 7.5
Prices (December 31)	+ 0.9
Change since October 31, 1939	+ 0.2
Exports (1939—$107,848,719)	+ 69.2
Imports (1939—$29,953,391)	+ 5.2

Credit conditions—Unchanged
Outlook—Brighter

Coaltar Chemicals

Larger activity in the iron and steel industry provided a bigger supply of crude materials for



the coaltar chemical industry in the fourth quarter. This was in part offset by a curtailment of imports. The net result was an increase. This was well met by a larger demand for the products of the industry from consuming fields. Production ran a little ahead of consumption, but the gain was an advantageous one because inventories were not heavy at the beginning of the period. Some goodly gains were made in exports, although certain expectations in that direction did not materialize, such as the increase in sales of cattle dips that would have followed the making of a tariff bargain with Argentina. Bigger sales were but slightly reflected in the price movement, the small average increase being more attributable to stringency of supplies of certain articles.

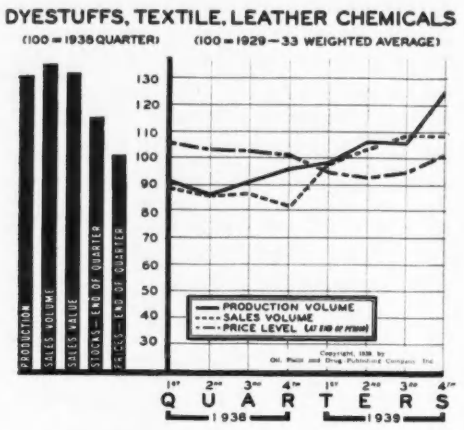
Data contributed to the REPORTER'S survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	+ 13.6
Fourth quarter	+ 20.8
Sales volume, year	+ 13.5
Fourth quarter	+ 19.5
Sales value, year	+ 12.2
Fourth quarter	+ 16.1
Stocks on hand (December 31)	— 2.6
Prices (December 31)	+ 1.3
Change since October 31, 1939	+ 1.7
Exports (1939—$14,612,465)	+ 47.8
Imports (1939—$18,778,873)	+ 18.3

Credit conditions—Better
Outlook—Brighter

Dyestuffs, Textile and Leather Chemicals

The textile and leather industries had a share of the general expansion of activity during the fourth quarter. So, they had to have more reagents for the making and finishing of their products. Sales of these botanical and chemical reagents increased correspondingly, and their pro-



duction was stepped up to meet the occasion; so were imports of the plant products which maintain an important place in this category in spite of notable advances in contributory synthetic chemistry. Prices reflected the condition of supplies, and because these were well maintained, the net result was a very slight upping of the market level.

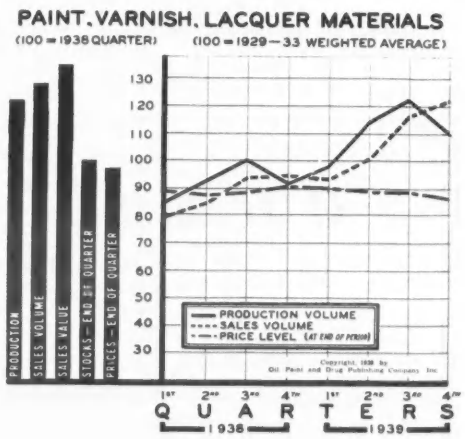
Data contributed to the REPORTER'S survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	+ 22.5
Fourth quarter	+ 30.2
Sales volume, year	+ 26.9
Fourth quarter	+ 33.4
Sales value, year	+ 24.7
Fourth quarter	+ 31.6
Stocks on hand (December 31)	+ 15.1
Prices (December 31)	+ 1.0
Change since October 31, 1939	+ 0.1
Exports (1939—$8,653,601)	+ 19.0
Imports (1939—$15,266,312)	+ 52.0

Credit conditions—Better
Outlook—Brighter

Paint, Varnish, Lacquer Materials

Industrial activity carried the use of industrial finishes along on its upward trend during the fourth quarter. Other sales of paints, varnishes,



and lacquers were less elevated. Expectations for a continuation of the first condition into the new year and an improvement of the second stimulated increased interest in the materials of which these preparations are made, and sales of these

ingredients were well increased. Some problems were met in drying oils and a few minerals needed in pigment making, but these did not assume the character of serious handicaps, thanks to technical developments and to vigorous work on sources of supply. Technical developments caused reductions of certain prices, enough to lower the average. Difficulties in supplies slowed down production a little, but enough to permit inventories to be reduced. Export business made good gains.

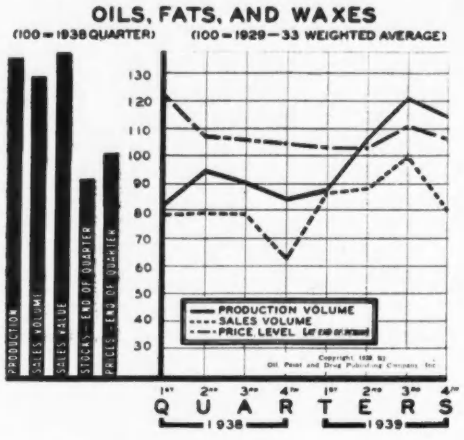
Data contributed to the REPORTER'S survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	+ 18.0
Fourth quarter	+ 20.6
Sales volume, year	+ 24.6
Fourth quarter	+ 27.9
Sales value, year	+ 32.1
Fourth quarter	+ 34.4
Stocks on hand (December 31)	— 0.8
Prices (December 31)	— 4.1
Change since October 31, 1939	— 3.7
Exports (1939—$63,888,893)	+ 55.2
Imports (1939—$27,823,830)	+ 27.2

Credit conditions—Slightly better
Outlook—Brighter

Oils, Fats, and Waxes

Business in oils, fats, and waxes was good, on the whole, during the fourth quarter; it was not good in some sections because wars had prevented sellers from getting as much of certain articles as they easily could have sold. These same wars made the betterment in other sections and net for the whole. For that reason many members of the



industry were inclined to regard the prosperity of the group as unsound and unsettling. Speculation for safety's sake and for profit's too made this view seem reasonable. In all divisions it was necessary to shift in small or larger part from one oil, or fat, or wax to another. Fortunately this was practicable to an extent, because the need in drying oils was especially urgent. No early change is expected in this connection. But, business has been big; prices have been lifted out of holes; and the general expectation is that good times will continue.

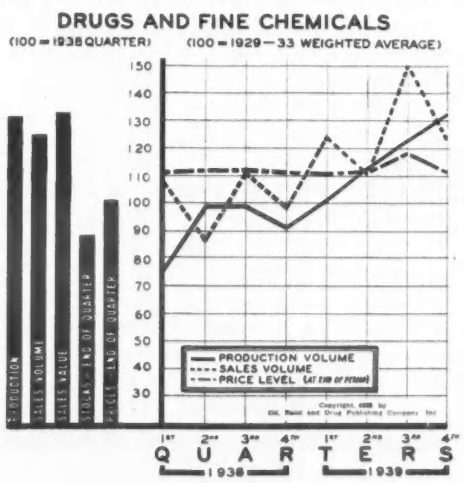
Data contributed to the REPORTER'S survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	+ 25.9
Fourth quarter	+ 35.7
Sales volume, year	+ 20.5
Fourth quarter	+ 28.7
Sales value, year	+ 30.5
Fourth quarter	+ 39.5
Stocks on hand (December 31)	— 8.5
Prices (December 31)	+ 5.0
Change since October 31, 1939	+ 0.4
Exports (1939—$50,907,040)	+ 46.6
Imports (1939—$93,472,679)	— 8.4

Credit conditions—Slightly better
Outlook—Slightly brighter

Drugs and Fine Chemicals

On both the technical and the pharmaceutical side there was extensive new buying of fine chemicals during the fourth quarter. Some of this was



in new places opened by war's demands; some of it, as in other lines, was the result of war's alarms. There was a substantial curtailment of imports, and a goodly increase in exports. The first condition necessitated a few shifts in materials consumed, but the scope of these is so wide that selections were not difficult. Prices were little affected in net results during the quarter, but gained a little on the advances made in the preceding period. Many articles were priced lower. The outlook was uncertain and remains so in respect of a number of alkaloids, but the possibilities in the synthetic field mitigated the effects. Bigger markets were opened in various export fields. Some of these got little attention because their future was not promising. Producers continued to stay out of big participation in speculative movements, and were content to take care of their regular customers, even in this endeavoring to dissuade consumers from excessively increasing their purchases.

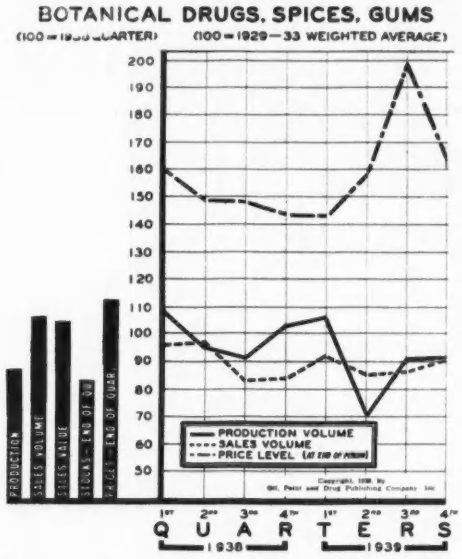
Data contributed to the REPORTER'S survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	+ 25.3
Fourth quarter	+ 31.6
Sales volume, year	+ 27.6
Fourth quarter	+ 25.3
Sales value, year	+ 28.3
Fourth quarter	+ 32.2
Stocks on hand (December 31)	— 11.5
Prices (December 31)	+ 7.0
Change since October 31, 1939	+ 0.7
Exports (1939—$43,533,933)	+ 35.5
Imports (1939—$10,534,756)	— 43.4

Credit conditions—Unchanged
Outlook—Unchanged

Botanical Drugs, Spices, Gums

Difficulties continued during the fourth quarter to attend the getting of adequate supplies of the many botanical materials which are obtained from foreign sources. In spite of this, imports of this class as a whole were 36.5 percent larger in 1939 than in 1938, some of the increase being attributable to higher prices in the primary markets. Added to this factor was that of higher transportation costs; and the average of the local market was advanced 54 percent during the year, almost one-fourth of the increase being made during the last quarter. Domestic products found a bigger home market, but their exports were reduced. Production was substantially below 1938 levels in the fourth quarter. Sales did not show the increases characteristic of other materials, but stocks were materially reduced.



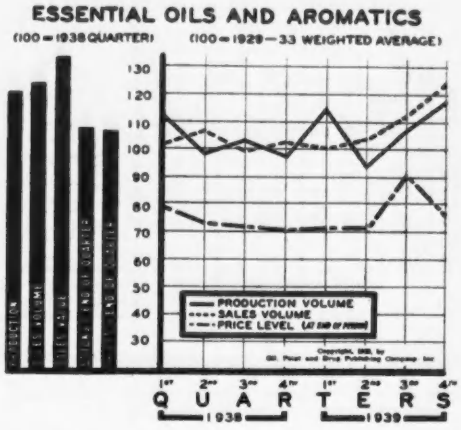
Data contributed to the REPORTER'S survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	— 6.6
Fourth quarter	— 12.0
Sales volume, year	+ 9.9
Fourth quarter	+ 7.4
Sales value, year	+ 10.8
Fourth quarter	+ 4.6
Stocks on hand (December 31)	— 17.3
Prices (December 31)	+ 54.0
Change since October 31, 1939	+ 12.9
Exports (1939—$3,403,807)	+ 16.6
Imports (1939—$37,668,573)	+ 36.5

Credit conditions—Slightly better
Outlook—Brighter

Essential Oils, Aromatic Chemicals

War's alarms and war-boom opportunities were noticeably influential in the activity of the aromatics markets during the fourth quarter. Buying for future assurance and for possible profits prevailed. This support was lessened toward the end of the period, but there was a deal of optimism in the normal channels of distribution and fields of consumption. Foreign trade was heavy in both directions, especially so in imports. The generally improved industrial status with the consequent increase in public buying power boosted sales of flavorings and scents, as well as of materials entering into more prosaic industrial consumption. Prices reflected the bigger buying and got a further substantial raise. It was generally



expected that their levels would be maintained unless the slackening of demand became more marked.

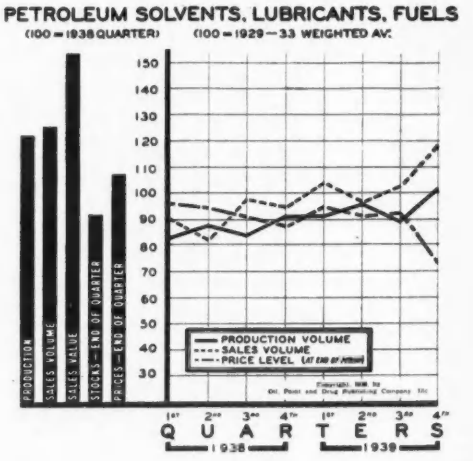
Data contributed to the REPORTER'S survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	+ 13.5
Fourth quarter	+ 20.0
Sales volume, year	+ 11.8
Fourth quarter	+ 22.5
Sales value, year	+ 31.9
Fourth quarter	+ 32.7
Stocks on hand (December 31)	+ 8.0
Prices (December 31)	+ 34.9
Change since October 31, 1939	+ 6.6
Exports (1939—$3,791,329)	+ 31.7
Imports (1939—$8,426,365)	+ 41.7

Credit conditions—Unchanged
Outlook—Brighter

Petroleum Solvents, Lubricants, Fuels

Production of crude petroleum was speeded up a little during the fourth quarter. Prices were higher. Refinery operations were large, excessively so in the light of technological improvements which have reduced consumption of gasoline. Demand for fuel oils for industrial and



domestic use was heavy. Industrial consumption of solvents was increased. Paraffin was in heavier demand because of inadequacy of supplies of other waxes. There was a large call for petrolatums and white oils. Production of all derivatives was well above 1938 levels; so were sales, although exports of petroleum and its products were lower in spite of some extraordinary war buying. The industry was still and increasingly concerned over plans for Federal control of crude production and this trouble has grown since Congress convened. Nevertheless, the general sentiment was slightly rose-tinted, and in respect of the industrial materials derived from petroleum new developments gave this attitude substantial justification.

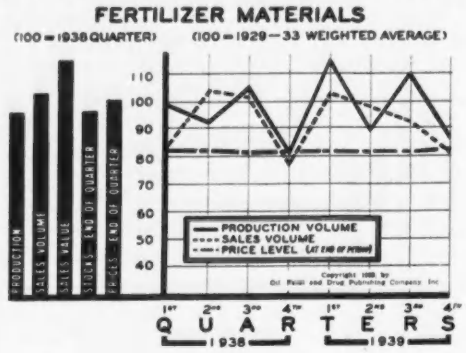
Data contributed to the REPORTER'S survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	+ 13.8
Fourth quarter	+ 20.8
Sales volume, year	+ 18.7
Fourth quarter	+ 25.5
Sales value, year	+ 21.2
Fourth quarter	+ 52.7
Stocks on hand (December 31)	— 9.3
Prices (December 31)	+ 1.8
Change since October 31, 1939	+ 7.8
Exports (1939—$385,601,217)	— 1.2
Imports (1939—$42,989,209)	+ 10.0

Credit conditions—Slightly better
Outlook—Slightly brighter

Fertilizer Materials

Agricultural conditions influenced reductions in prices of mixed fertilizers during the fourth quarter, and mixers were a bit reluctant about buying materials. Sales of these however ran above 1938 levels but were below the earlier 1939 average.



The price of superphosphate was increased. Productive operations were curtailed because of uncertainty with respect to the future. Some expected a smaller 1940 demand in the tobacco field; some looked for bigger buying for cotton; some laid their hopes on truck farming. Nobody was particularly optimistic, or could predict the 1940 of Muscle Shoals. Imports, especially of potash, were curtailed. Export trade fell off, and Latin America offered little encouragement.

Data contributed to the REPORTER's survey for 1939 indicate the following changes from the corresponding 1938 periods:—

	Percent
Production, year	— 0.1
Fourth quarter	— 4.3
Sales volume, year	+ 4.7
Fourth quarter	+ 3.7
Sales value, year	+ 6.5
Fourth quarter	+ 15.0
Stocks on hand (December 31)	— 3.3
Prices (December 31)	+ 1.6
Change since October 31, 1939	+ 1.6
Exports (1939—$17,156,946)	+ 3.3
Imports (1939—$38,633,968)	— 1.4

Credit conditions—Unchanged
Outlook—Unchanged

Price Trends

Average prices at the end of the fourth quarter of 1939 and of 1938, with relation to those at the end of the similar period in 1937, compared as follows:—

(100 = Prices at December 31, 1937)

	1938.	1939.
Heavy chemicals	95.5	96.4
Coaltar chemicals	98.7	100.0
Dyestuffs, textile, leather chemicals	94.8	95.8
Paint, varnish, lacquer materials	100.1	96.0
Oils, fats, waxes	85.6	89.9
Drugs and fine chemicals	100.3	107.3
Botanical drugs, gums, spices	86.7	133.5
Essential oils, aromatic chemicals	88.1	118.9
Petroleum solvents, lubricants, fuels	87.6	89.2
Fertilizer materials	99.4	101.0
Average of all these markets	92.7	102.8

Vegetable and Animal Oils Statistics: 1939

Factory production and consumption of animal and vegetable fats and oils, according to the preliminary statistics collected by the Bureau of the Census, amounted to the quantities indicated below during the twelve-month period ended December 31, 1939; the quantities of crude oils used in the production of refined oils are included in the figure for the crude consumed:—

	Production. (Pounds)	Consumption. (Pounds)
Acids, fatty	127,296,511	109,442,546
Distilled	38,803,589	18,407,830
Oleic (red oil)	48,657,460	34,311,688
Stearic	33,673,630	15,441,706
Babassu, crude	71,380,600	67,384,595
refined	28,152,107	23,960,787
Castor	78,605,782	41,137,725
Chinawood	†	91,072,102
Coconut, crude	273,271,444	586,091,668
refined	287,340,162	229,050,139
Cod and codliver	2,524,013	18,760,147
Corn, crude	150,555,463	150,262,956
refined	134,657,149	68,146,176
Cottonseed, crude	1,390,085,564	1,392,438,189
refined	1,313,663,577	1,246,818,535
foots, 50% basis	139,639,209	145,026,640
foots, distilled	49,414,575	42,872,543
Fish, other than cod and codliver	*208,265,222	203,266,745
Glycerin, crude, 80% basis	183,610,301	212,430,085
chemically pure	86,950,963	26,506,383
dynamite	65,528,366	35,049,367
Grease, bone	26,659,989	1,908,367
Brown	70,513,177	50,877,878
House or garbage	46,540,877	28,930,625
Tankage	49,038,681	5,171,271
White	74,775,643	51,966,184
Wool	7,191,822	5,590,703
Yellow	89,533,537	46,954,138
Hydrogenated oils	820,949,970	768,331,370
Lard, neutral	3,105,765	2,023,115
other edible	1,410,875,225	13,230,232
Lard oil	22,444,537	11,677,047
Linseed	564,507,734	345,198,291
Marine animal oils	25,937,725	58,537,427
Neatsfoot	5,040,825	5,691,624
Oleo oil	75,860,075	12,942,488
Olive, edible	†	4,981,640
inedible	†	5,508,654
foots (sulphur oil)	†	19,366,835
Palm, crude	†	259,908,010
refined	113,813,678	122,987,073
Palmkernel, crude	†	8,603,389
refined	4,623,439	6,772,999
Peanut, virgin and crude	72,581,000	74,261,813
refined	70,990,072	62,873,368
Perilla	†	42,539,104
Rapeseed	†	6,517,968
Sesame	†	2,208,389
Shortening	1,390,915,010	1,356,255
Soybean crude	449,806,623	390,162,115
refined	342,375,424	319,215,442
Stearin, animal, edible	37,674,380	32,379,358
Animal, inedible	15,557,456	12,641,554
Vegetable	95,887,326	92,094,219
Soap stock, acidulated	66,007,095	93,795,104
miscellaneous	2,219,347	6,127,342

	Production. (Pounds)	Consumption. (Pounds)
Tallow, edible	93,879,117	61,919,796
inedible	601,056,792	878,437,318
Tallow oil	7,864,722	5,678,150
Vegetable oil foots other than cottonseed, 50% basis	133,074,638	100,635,909
distilled	516,437	488,070

* Includes 165,083,250 pounds of herring and sardine, and 34,601,446 pounds of menhaden oil.
† Not separately classified.

Oilseeds Imported

	Tons.
Babassu nuts	56,918
Castor beans	81,304
Copra	215,026
Flaxseed	448,788
Palm nuts and kernels	5,059
Rapeseed	3,771
Sesame seed	6,120

Raw Materials Used

	Tons.
Babassu nuts	55,848
Castor beans	82,846
Copra	216,538
Corn germs	224,581
Cottonseed	4,381,873
Flaxseed	808,314
Soybeans	1,445,661

Fats and Oils Imported

	Pounds.
Acid, stearic	1,277,662
Acids, fatty, vegetable	4,520,636
Chinawood oil	78,717,694
Coconut oil	336,795,877
Cod oil	16,158,166
Codliver oil	50,083,441
Corn oil	13,059,861
Cottonseed oil, refined	28,739,425
Glycerin, crude	10,987,731
refined	330,879
Grease, wool	5,177,707
Linseed oil	49,056
Oiticica oil	18,866,689
Olive oil, edible	62,866,218
inedible, other than sulphured	11,303,888
sulphured	28,180,324
Palm oil	286,416,373
Peanut oil	3,779,415
Perilla oil	51,284,110
Rapeseed oil	9,320,731
Sesame oil	3,480,638
Soybean oil	4,125,526
Tallow, inedible	1,496,474
Vegetable	2,994,443
Teaseed oil	3,584,051
Wax, carnauba	16,300,771
Vegetable, other than carnauba	8,034,704
Whale oil	20,288,716

Cottonseed Crushings Smaller

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held, from August 1 to January 31, 1940, and 1939, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed

Received, Crushed, and Held

	Received at mills* Aug. 1 to Jan. 31.		Crushed Aug. 1 to Jan. 31.		On hand at mills Jan. 31.	
	1940.	1939.	1940.	1939.	1940.	1939.
United States	3,735,991	3,805,637	3,060,394	3,079,505	796,223	1,058,742
Alabama	177,107	252,490	168,975	217,288	19,047	47,172
Arizona	82,165	76,724	57,094	45,667	27,695	33,548
Arkansas	441,142	441,860	327,616	328,542	117,581	133,540
California	158,386	147,619	91,258	111,896	72,001	57,437
Georgia	314,766	265,402	280,025	225,924	48,932	54,772
Louisiana	197,975	165,585	178,458	153,764	20,064	17,703
Mississippi	587,185	619,070	454,376	425,634	154,602	235,234
North Carolina	151,347	128,156	125,812	118,775	26,784	17,176
Oklahoma	146,202	175,826	132,910	160,340	14,089	19,156
South Carolina	188,769	138,083	172,161	128,612	17,508	11,023
Tennessee	325,914	347,088	228,538	242,037	100,312	117,661
Texas	859,356	949,628	775,931	848,645	138,493	283,056
All other States	105,677	98,097	67,240	72,381	39,115	31,264

* Includes no and 4,508 tons seed destroyed at mills, but not 120,626 and 337,118 on hand Aug. 1 nor 19,531 and 24,356 reshipped for 1940 and 1939, respectively.

Cottonseed Products

Manufactured, Shipped Out, and Held

	On hand Aug. 1.	Produced Aug. 1 to Jan. 31.	Shipped out Aug. 1 to Jan. 31.	On hand Jan. 31.
Crude oil, pounds—				
1939-1940	*72,066,763	955,759,449	927,379,9.	*200,881,159
1938-1939	33,833,717	954,097,502	845,704,102	174,445,874
Refined oil, pounds—				
1939-1940	†560,035,317	‡772,557,174	.....	†586,632,444
1938-1939	487,927,952	754,610,045	.....	613,023,463
Cake and meal, tons—				
1939-1940	119,718	1,373,383	1,276,536	216,565
1938-1939	214,611	1,380,325	1,306,392	288,544
Hulls, tons—				
1939-1940	77,087	772,874	697,665	152,296
1938-1939	133,153	796,193	761,397	167,949
Linters, running bales—				
1939-1940	479,316	769,584	918,431	330,469
1938-1939	457,464	754,272	661,756	349,980
Hull fiber, 500-lb. bales—				
1939-1940	24,931	21,604	39,091	7,444
1938-1939	30,534	25,228	26,688	29,074
Grabbots, motes, etc., 500-lb. bales—				
1939-1940	30,642	33,696	39,749	24,589
1938-1939	36,592	37,840	33,209	41,213

* Includes 5,986,685 and 81,927,675 pounds held by refining and manufacturing establishments and 13,594,470 and 38,088,380 pounds in transit to refiners and consumers August 1, 1939, and January 31, 1940, respectively.
† Includes 13,471,938 and 9,578,945 pounds held by refiners, brokers, agents and warehousemen at places other than refineries and manufacturing establishments and 3,292,550 and 2,544,515 pounds in transit to manufacturers of shortening, oleomargarin, soap, etc., August 1, 1939, and January 31, 1940, respectively.
‡ Produced from 817,585,799 pounds of crude oil.

Exports and Imports for Five Months Ended Nov. 30

	1939.	1938.
Exports—		
Oil, crude, pounds	3,800,391	100,805
Oil, refined, pounds	6,289,667	1,541,775
Cake and meal, tons of 2,000 pounds	6,074	13,875
Linters, running bales	133,122	98,553
Imports—		
Oil, crude,* pounds	none	none
Oil, refined,* pounds	4,103,397	33,829,787
Cake and meal, tons of 2,000 pounds	1,666	1,125
Linters, bales of 500 pounds	32,448	15,824

* During January no cottonseed oil was "entered for consumption," "withdrawn from warehouse for consumption," or "entered for warehouse."

Margarin Manufacturing Operations Off in Dec.

According to figures reported to the Bureau of Internal Revenue, Washington, the margarin manufacturers' production in December, 1939, compared with December, 1938, as follows:—

	Pounds— December. 1939.	December. 1938.
Production of uncolored oleomargarin	*25,438,984	†30,252,565
Withdrawn tax-paid	25,711,698	29,956,607
Production of colored oleomargarin	‡148,126	§120,858
Withdrawn tax-paid	25,499	34,358

Ingredients used in the production of colored and uncolored margarin in December, 1939, compare with December, 1938, as follows:—

In Uncolored Margarin

	Pounds— December. 1939.	December. 1938.
Babassu oil	659,111	614,791
Coconut oil	1,912,842	7,160,309
Corn oil	53,493	134,763
Cottonseed oil	8,765,590	10,563,896
Derivative of glycerin	60,257	74,896
Lecithin	7,142	9,714
Milk	4,958,870	5,804,222
Neutral lard	201,718	100,962
Oleo oil	860,384	994,400
Oleo stearin	236,008	236,979
Oleo stock	78,427	116,609
Palm kernel oil	.....	98,472
Peanut oil	193,650	231,826

	Pounds— December. 1939.	December. 1938.
Salt	1,050,755	1,238,503
Soda benzoate	9,116	12,488
Soybean oil	7,546,246	4,174,633
Vitamin concentrate	1,342	1,282
Totals	26,594,951	31,568,739

In Colored Margarin

Coconut oil	58,769	43,663
Color	115	153
Corn oil	54	54
Cottonseed oil	13,181	12,856
Cottonseed stearin	210	.....
Derivative of glycerin	285	380
Lecithin	77	3
Milk	29,443	25,978
Neutral lard	4,200	3,624
Oleo oil	15,526	14,936
Oleo stock	956	719
Palm kernel oil	.....	218
Peanut oil	200	37
Salt	7,702	6,921
Soda benzoate	35	55
Soybean oil	29,108	23,785
Vitamin concentrate	1	3
Totals	159,862	133,385

* Of the amount produced, 10,425 pounds were reworked.
† Of the amount produced, 40,316 pounds were reworked.
‡ Of the amount produced, 1,475 pounds were reworked.
§ Of the amount produced, 1,696 pounds were reworked.

Oil production in Kentucky would be controlled by a commission to be created by the provision of a bill introduced in the Kentucky legislature.

Corporation Earnings Recently Reported

	Period.	1939— Net income.	Per share.	1938— Net income.	Per share.
Allied Laboratories, Inc	Year	388,498	1.73	290,123	1.29
American Agricultural Chemical Co	6 Mos.	*$198,718	....	*$285,903	....
American Commercial Alcohol Corp	9 Mos.	*262,574	..	2,405	.01
Archer-Daniels-Midland Co	6 Mos.	1,355,330	2.38	425,108	.60
Armour & Co. (Del.)	Year	7,706,631	....	3,059,209	....
Armour & Co. (Ill.)	Year	3,265,167	....	*4,315,257	....
Atlantic Refining Co	Year	5,028,000	1.67	4,310,659	1.40
Atlas Powder Co	Year	1,299,137	3.82	1,013,056	2.69
Byers (A. M.) Co	Year	536,249	$0.53	*606,760	....
Bristol-Myers Co	Year	2,379,785	3.49	2,217,810	3.25
Canada Dry Ginger Ale	Year	1,156,704	1.88	691,381	1.12
Catalin Corp. of America	Year	165,315	.31	38,522	$0.07
Continental Diamond Fibre Co	9 Mos.	49,496	.11	*603,920	..
Celotex Corp	Year	741,756	.95	518,358	1.19
Cuban American Manganese Corp	Year	716,865	1.76	*22,059	..
Devoe & Raynolds Co. Inc	Year	397,256	2.08	*218,458	..
Dome Mines, Ltd	Year	4,109,911	....	4,226,691	....
Dow Chemical Co	6 Mos.	3,445,110	3.19	1,428,372	1.35
DuPont (E. I.) deNemours & Co	Year	93,218,664	7.66	50,190,827	3.75
Freeport Sulphur Co	Year	2,200,762	2.76	1,506,060	1.88
Glidden Co	Year	1,853,549	1.70	205,597	....
Hancock Oil Co. of Calif	6 Mos.	586,626	2.62	841,267	3.87
Hecker Products Corp	6 Mos.	689,940	.43	1,070,938	.61
Hercules Powder Co	Year	5,324,992	3.65	3,089,017	1.95
Swift & Co	Year	10,321,523	1.74	*3,493,978	....
Westvaco Chlorine Products Corp	Year	1,275,078	2.91	803,675	1.52
Wilson & Co., Inc	Year	3,215,840	.64	59,924	....

Heavy Chemicals

Shipments Remain Moderate With Little Change in Buying — Strontium Chloride Higher — Tin Derivatives Firmer —Most Chemicals Display Steady to Firm Price Tone

Shipments of heavy chemicals continued moderate last week. The character of business underwent little change from recent weeks, although it was apparent that the gradual slackening has about reached its limit. The consensus in the trade was that demand would probably hold around current levels for the next few weeks, with some stimulation looked for in March. For one thing, industrial operations displayed less tapering than recently. Weather conditions still played a detrimental part in retarding business in some sections.

Most processors have succeeded in clearing up backlogs accumulated in the final quarter, and with few exceptions production was adequate to cope with the demand. Inventories in the hands of consumers were not believed to be excessive, although most replacement orders would indicate that the disposition was to limit commitments to actual requirements for the present. Price changes were without much feature, practically all chemicals retained a steady to firm tone, with changes confined to metals and their derivatives.

Alums. — Firm prices remained in evidence. Demand was steady but moderate. December exports of alum compounds were 441,054 pounds, valued at $33,779.

Alumina Sulphate. — Shipments moved in sufficient volume to keep market position firm. December exports totaled 8,206,839 pounds, valued at $901,737.

Ammonia, Aqua.—Demand was fairly steady. Prices well sustained.

Ammonia Nitrate. — Prices unchanged and firm. Demand moderately active. December imports 10,981 pounds, valued at $196.

Ammonia Silicofluoride. — Quotations nominal at 12½c. per pound for imported material. Buying not active. December imports totaled 16,921 pounds, valued at $1,306.

Ammoniac, Sal.—Demand sufficient to absorb available quantities. Prices continued firm. December imports aggregated 1,731,259 pounds, valued at $33,005.

Arsenic.—Prices without change. Demand about steady. December imports of white totaled 2,111,348 pounds, valued at $50,949 and importations of red were 51,809 pounds, valued at $4,899.

Barium Salts.—The market failed to record any specific price developments. Trading was confined to necessary replacements. December imports of barium compounds totaled 45,225 pounds, valued at $1,504.

Blue Vitriol (Copper Sulphate).—Domestic demand steady; good call for export. Prices firm at levels established preceding period. December exports 2,089,291 pounds, valued at $89,943.

Calcium Carbide.—Interest about fair. Prices continued firm. December exports were 646,439 pounds, valued at $23,600.

Calcium Chloride. — Shipments for ice control work remained at peak levels, while call for other purposes was satisfactory. Prices ruled firm. December exports 1,525,402 pounds, valued at $19,300.

Chlorine. — Activity maintained at moderate levels. Pricewise a firm tone prevailed. December exports 745,028 pounds, valued at $20,157.

Cobalt Oxide. — Prices were unchanged and firm. Demand was moderate. December imports 59,850 pounds, valued at $85,495.

Copper.—Domestic price held at 11¼c. per pound, with demand better. Moderate export interest around 11.40c. per pound f.a.s. American stocks of refined copper declined 24,044 tons during January, to 135,441 tons, the lowest since August, 1937.

Copper Salts.—No further price changes were uncovered. A firmer tone prevailed, and dealings were moderately active.

Copperas. — Shipments moved to regular consuming channels steadily. Pricewise a firm tone prevailed.

Fluorspar. — Cold weather retarded shipments. Prices were unchanged.

Price Changes

Advanced

Straits, tin, ⅝c. per lb.
tetrachloride, anhy., ¼c. per lb.
Strontium chloride, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.6	153.6	152.7	146.9

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	99.0	99.6

Market news that may have developed after this report was sent to press will be found on page 4.

Lead Acetate. — Dealings routine. Prices without alteration.

Manganese Salts.—Market was devoid of any price movements. Demand was steady against contracts. December imports of manganese compounds totaled 45,136 pounds, valued at $2,858.

Nickel Salts.—Shipments moved at a moderate pace. Prices were unchanged and firm.

Potash Carbonate.—Movement against contracts steady. Market position firm. December imports 44,947 pounds, valued at $2,700.

Potash, Caustic.—Consumers entered market for moderate size replacements. Prices retained strong tone. December imports 56,860 pounds, valued at $5,684.

Potash Chlorate.—Sellers supplying regular consumers. Prices remain firm. December imports were 835,520 pounds, valued at $43,038.

Potash Cyanide.—Spot stocks scarce and quotations strictly nominal. December imports 7,606 pounds, valued at $3,362.

Saltcake. — Domestic shipments steady. Prices were firm. December imports 17,538 tons, valued at $220,249.

Saltpeter.—Domestic business satisfactory, less inquiry for export. Prices firm. December imports 200,178 pounds, valued at $5,623.

Soda Ash.—Major consumers exerting steady interest against contracts. Prices firm. December exports 16,710,044 pounds, valued at $233,279.

Soda Bicarbonate.—Buying routine. Prices unchanged and firm. December exports 3,640,444 pounds, valued at $61,964.

Soda, Caustic.—Shipments against contracts remain moderately active. Prices well sustained. December exports 27,068,933 pounds, valued at $634,097.

Soda Chlorate.—Interest only fair. Prices the same. December imports 300,500 pounds, valued at $9,953.

Soda Cyanide.—Trading spotty. Prices well maintained. December imports 8,352,821 pounds, valued at $403,792, while exports totalled 586,365 pounds, valued at $75,642.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

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DRUMS-TANK CARS-TANK WAGONS
JOSEPH TURNER & COMPANY
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SILICON TETRACHLORIDE : CREAM OF TARTAR
SULPHURIC ACID : CAUSTIC SODA : WHITING
TARTARIC ACID : LIQUID CHLORINE : SULPHUR
TEXTILE STRIPPER : CARBON BISULPHIDE
STAUFFER CHEMICAL CO.
Stauffer
420 LEXINGTON AVE., NEW YORK, N. Y.
230 NO. MICH. AVE., CHICAGO, ILL.
624 CALIFORNIA ST., SAN FRANCISCO, CAL.
535 SO. FLOWER ST., LOS ANGELES, CAL.
424 OHIO BUILDING, AKRON, OHIO
FREEPORT, TEXAS APOPKA, FLORIDA

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Barium Chloride Crystals
Anhydrous Barium Chloride
Barium Sulphate
Barium Oxide
Barium Peroxide
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Barium Sulphide
Sodium Sulphide
Sodium Sulphydrate
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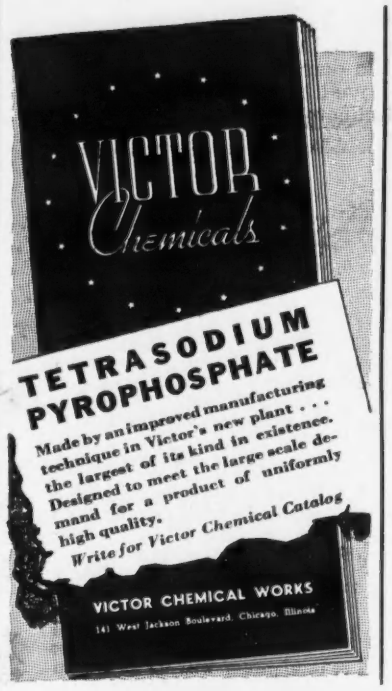
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Soda Fluoride.—Prices firm and dealings routine. December imports, 1,102 pounds, valued at $109.

Soda Hydrosulphite.—Contract shipments steady, little spot offerings. Prices firm. December imports 15,650 pounds, valued at $2,133.

Soda Phosphate.—Movement to consumers continued fairly steady. Prices were unchanged and firm. December exports 676,843 pounds, valued at $28,012.

Soda Silicate.—Prices retained their firmness. Shipments were satisfactory. December exports 1,181,485 pounds, valued at $23,848.

Soda Silicofluoride.—Domestic shipments fair against contracts. Offerings of imported were not unlimited, since shipments were detained by ice jams in Denmark. December imports 263,229 pounds, valued at $6,144.

Soda Sulphate, Anhydrous.—Quotations firm. Demand continued steady. December imports were 61 tons, valued at $1,902.

Soda Sulphide.—Withdrawals against contracts remain favorable. Prices ruled firm. December imports 57,488 pounds, valued at $1,093.

Strontium Salts.—Price for the chlorine was ½c. higher at 18½c. per pound. Quotations for the nitrate and carbonate were unchanged.

Tin Salts.—A slightly firmer tone prevailed, with anhydrous tetrachloride advanced ¼c. to 23c. per pound. Other tin derivatives were unchanged. Straits metal ranged from 45⅝c. to 46c. per pound. World tin stocks at end of January were 49,370 tons, against 51,976 tons on January 31, 1939.

Uranium Oxide.—Market position strong. Dealings limited to regular consumers. December imports 38,420 pounds, valued at $64,099.

Acids

Buying of mineral acids continued steady, but lacked much improvement last week. Most consumers pursued a moderate purchasing policy against contracts. No price changes were uncovered, and the general tone of the market was steady to firm.

Acetic.—Shipments moved at a moderate space. Prices were unchanged.

Chromic.—Quotations firm. Shipments moderately active.

Formic.—Buying steady for moderate quantities. Prices unchanged

Gallic.—Prices maintained firmness, despite the fact demand was not heavy.

Lactic.—Dealings irregular. Prices steady to firm.

Muriatic.—Interest remained steady. Prices well sustained. December exports 344,849 pounds, valued at $9,411.

Nitric.—Market position remains firm. Trading from regular consumers.

Oxalic.—Supplies continue scarce, and shipments limited to regular consumers.

Sulphuric.—Business underwent little change, with shipments moving against contract in fair volume. Prices were steady to firm. December production by 56 fertilizer manufacturers totaled 219,838 tons, and for the 12 months aggregated 2,051,838 tons compared with 176,926 and 1,776,919 tons, respectively in the comparative period a year ago. Consumption by reporting manufacturing in December was 172,332 tons and for the calendar year totaled 1,605,738 tons, against 148,289 tons and 1,528,351 tons, respectively for December, 1938, and the preceding 12 months period. Stocks at the end of December, 1939, amounted to 83,814 tons, compared with 90,089 tons in December, 1938, according to the Department of Commerce.

Baltimore, Feb. 14.—The market for sulphuric acid continues about as it has ranged of late. The nominal quotations remain around $12 per ton for 60 degree and $15 per ton for 66 degree acid, with supplies large enough to take care of any wants manifesting themselves at this time, though with no such large stocks as might cause pressure upon the market. Oleum remains steady, with the current quotations still around $17 to $18 per ton for 20 percent stocks.

Insecticides

While no worth while movement of agriculture insecticides and funicides was reported, indications were that normal seasonal shipments would

—*Continued on page* 36

Research Determines Industrial Progress

—*Continued from page* 5

tion to understanding the basic processes of his industry, and the research leader usually appreciates the problems and difficulties of executive control.

Plenty of possibilities for misunderstanding, however, arise from the different backgrounds of men, the executive and the research type and the way they work. Possibilities exist for the prestige and authority of a top executive to cloud true issues. In many cases, the expression of a belief by a sufficiently important executive tends to make that belief a fact; the greater he becomes the greater will his beliefs tend to influence the facts. On the other hand, the beliefs of a scientist do not at any time have the slightest influence on the facts. This tends to breed scepticism in the scientist's mind for accepted beliefs as such and leads through misinterpretation to a conclusion by the executive that the scientist is reluctant to pull along "like a decent fellow."

The main pillars of modern technological industry are capital, science (or technology), and labor. If these three can be properly meshed by executive skill into a smoothly working whole, prosperity and safety alike are on a sound foundation. Science in industry is no dilettante occupation for dreamers, but a revolutionary force which industrial executives should exert themselves to understand, go more than half way to meet, and work to blend into the complex machine of industry. Any industry which neglects to take account of what is going on in the research laboratories is on the road to decay.

Research Results Told At Mining Inst. Meeting

—*Continued from page* 5

hostilities in 1914, the nation was obtaining about four-fifths of its ore from the Eastern Hemisphere, he said. Mr. Norcross, in further describing the domestic position as to sources of manganese supply, said:—

Domestic production had been negligible, amounting to only 3,000 to 7,000 tons a year. As the war continued, shipments from the East, endangered by sea attack and blockade, dwindled rapidly. Imports from Brazil mounted. In this grave emergency, the United States, starting almost from scratch and under the stimulation of very high prices, succeeded by 1918 in producing a peak of 311,000 tons, about 35 percent of its consumption that year.

Since the war, the United States has depended upon foreign sources for more than nine-tenths of its high-grade ore. During 1936, 1937 and 1938, imports for consumption averaged 736,000 tons a year. During the same period, domestic shipments averaged 21,000 tons a year. Of the imports, the U.S.S.R. accounted for an annual average of 280,000 tons, the Gold Coast 208,000 tons, India 74,000 tons, and Brazil 72,500 tons.

But India and Brazil, which in 1936 ranked third and fourth in the list of importers, were displaced in 1937 and 1938 by a new and much nearer source—Cuba. From less than 1 percent of United States imports in 1931, the island republic increased its shipments to more than 27 percent in 1938. Cuba's average for this three-year period was 97,000 tons, and its total for 1938 was 131,000 tons.

In addition to assuring this nation a near-by source of high-grade manganese vital for national defense plans, development of the process in Cuba is significant for its possible application to domestic manganese deposits, which are of a grade similar to the Cuban ores.

In the search for orebodies by geophysical prospecting many new methods have been worked out and old methods have been strikingly improved, declared Hans Lundberg, of Ontario, Canada, in an address on "The Future of Geophysics in the Light of New Developments." Heretofore, Mr. Lundberg said that geophysical prospecting has been restricted to areas in proximity to known orebodies, or where the geology was worked out so thoroughly that the presence of an orebody was suspected, although no evidence of its existence could be ascertained by any

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other type of prospecting. In restricted areas of this kind, he said, geophysics has scored many notable successes.

The scope of geophysics has now been extended to cover the investigation of whole regions, where useful information can be obtained, in spite of heavy vegetation, glacial and alluvial deposits masking the bedrock surface completely, Lundberg explained. The new methods may strictly be called geochemical, but it certainly has its place as a branch of geophysical science. By means of spectoscopic methods, it is possible to obtain not only qualitative but quantitative data on the contents of the various elements in the rock and soil, he added.

At the symposium on strategic minerals, E. L. Bruce, professor of geology of Queen's University, Kingston, Ont., in discussing "The Position of Canada With Reference to Supply of Strategic Minerals," said:—

A survey of the steel and ferro-alloy situation shows serious deficiences in several metals. Only in nickel and cobalt are the Canadian mines prepared to supply the demand. Canada has no manganese deposits that seem capable of contributing any considerable quantity of ore even under the stimulus of war conditions. It is true that Canada exports some ferro-manganese and spiegeleisen to the United States, but it is made entirely from imported material, Canada is dependent for manganese, just as the United States largely is, on imports from abroad. Under war conditions it seems likely that both countries will be forced to draw to an even greater extent than normally upon the manganese deposits of Cuba and Brazil.

Chromite is produced in small quantities in the Thetford-Black Lake area in the province of Quebec, but Canada like the United States must depend upon imports for the greater part of her needs. Probably no large reserves have been accumulated in either country. Most of the chromite used in both countries has been coming from Rhodesia and South Africa, and the fact cannot be overlooked that the sinking of two or three freighters in the South Atlantic might seriously affect the chrome-steel industry on this side of the Atlantic. It seems very possible that shortage of shipping may lead to increased prices for chromite.

Molybdenum was produced in Canada in considerable quantiy during the last war. Several small mines are now operating or are about to begin operations. No doubt, however, a large part of the needs for this metal will come as in peace time from the United States.

The United States was the largest producer of vanadium in 1936 by virtue of the greatly decreased output from Peru. At the same time that domestic production increased, imports also increased. Vanadium used in Canada came from the United States. Should production from Peru again revive there should be no danger of any shortage.

One of the most serious problems in the ferro-alloy industry both in the United States and Canada is the supply of tungsten. Some tungsten minerals are found in both countries but the deposits seem inadequate for the needs. The production from China may be cut off at any time. Should that occur a serious situation would result both in the industries manufacturing machinery for peace time needs and those manufacturing munitions.

The institute made the following awards:—

The James Douglas Medal, to Louis Davidson Ricketts, a consulting engineer of Pasadena, Calif., for "inspirational leadership and distinguished achievements in the metallurgy of copper."

The Anthony F. Lucas Medal, to Everette Lee DeGolyer, professor of geology at the University of Texas, for "initiating applied geophysics, directing the early practical seismic exploration and fostering applied science in finding, developing and producing oil."

The Robert W. Hunt Medal, to Axel Hultgren, professor of metallurgy at the Tekniska Hogskolan, and Gosta Phragmen, a professor at the Metallografiska Institutet, both of Stockholm, Sweden, for their jointly prepared paper, "Solidification of Rimming-Steel Ingots." This was the first time the Hunt Medal was presented to engineers living in a foreign country.

The J. E. Johnson, jr., award, a cash prize, to Peter V. Martin, assistant division superintendent of coke plant and blast furnaces for the Carnegie-Illinois Steel Corporation, for a paper on blast furnace efficiency.

The Institute of Metals Division Award, to Alden B. Greninger, assistant professor of metallurgy in the Graduate School of Engineering at Harvard University.

Aluminum Output Up 14 Percent in 1939

Virgin aluminum production in the United States during 1939 was the largest on record, according to the Bureau of Mines. The 1939 peak output of new aluminum amounted to 327,090,000 pounds valued at $64,600,000, compared with 286,882,000 pounds valued at $56,659,000 in 1938. Production in 1939 was 14 percent greater than in 1938 and exceeded the previous peak reached in 1937 by 12 percent. Withdrawals from producers' stocks in 1939 totaled 62,886,000 pounds compared with an addition to stock of 112,959,000 pounds in 1938.

Imports of aluminum in ingot, scrap, alloy, etc., form into the United States increased from 17,511,819 pounds valued at $2,430,828 in 1938 to 28,060,094 pounds valued at $3,251,484 in 1939; exports increased from 9,670,398 pounds valued at $1,860,796 to 57,194,509 pounds valued at $11,693,276.

Chemists Institute to Hear J. C. Morrell March 1

Dr. J. C. Morrell, associate director of research of the Universal Oil Products Company, Chicago, will speak at a meeting of the New York chapter of The American Institute of Chemists to be held March 1 in the Chemists' Club, this city, on the subject of "The Chemist in the Petroleum Industry."

Monsanto Earnings Up

Preliminary figures covering 1939 operations of Monsanto Chemical Company indicate earnings of $5,546,416, which, after all charges and allowances for preferred dividends, is equivalent to $4.01 a common share, according to Edgar M. Queeny, president. This compares with $2.35 a share in 1938, but is below the $4.40 a share earned on smaller sales volume in 1937, he said.

Socony-Vacuum Oil Company, this city, plans the construction of a new series of six national defense tankers.

Heavy Chemicals

Insecticides

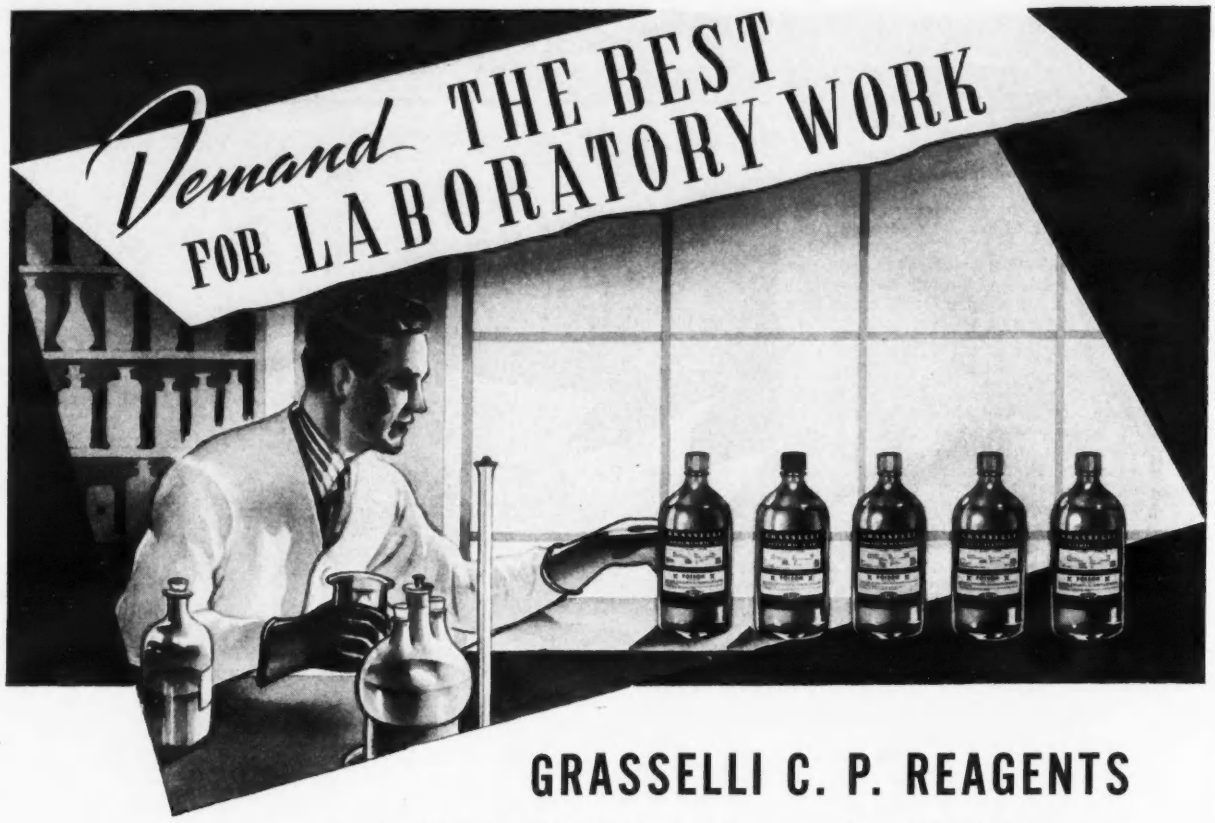
—*Continued from page* 35

soon be underway. Unseasonable cold weather in many sections of the South was a retarding factor, and prevented any early movement in this direction. Export business in the interim was a sustaining factor. No further word was received regarding price schedules for materials not yet released, although something was expected in the near future.

Calcium Arsenate.—Shipments to domestic channels only fair. Good export inquiry. Prices firm.

Lead Arsenate.—No substantial movement report, but a more active inquiry reported. Prices well maintained at levels recorded preceding period.

Paris Green.—New schedule for coming season awaited. Buying not very active.



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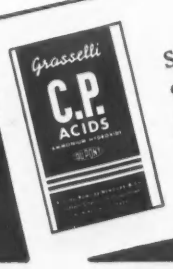

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Dyestuffs, Textile and Leather Chemicals

Tanners Corn Sugar, Dextrin and Starch Prices Are Advanced —Bichromate Shipments Steady—Blood Albumen Firm —Tanning Materials Unchanged—Dyestuffs Quiet

Buying interest in the market for dyestuffs, textile and leather chemicals lacked any tangible improvement. Certain chemicals such as bichromates were moving steadily against contracts, but other materials offered on a spot basis were not meeting with a great deal of renewed buying at this time. Natural dyestuffs were firm, but demand was narrow. Sizing materials were only meeting a fair inquiry, while dealings in raw tanning and extract products were quiet.

Corn derivatives were generally higher, reflecting to a large extent the advance in raw commodity prices. Sellers, however, were accepting business to February 19th for shipment on or before March 16 at previous prices. Egg products were barely steady, despite the recent declines. Blood albumen prices were firm, with sellers still pressed to make all deliveries.

Tanning materials were all unchanged and new buying was light. January shoe output was estimated at approximately 33,000,000 pairs, against 33,561,000 pairs in January, 1939, according to the Tanners' Council of America. It is tentatively estimated that February shoe output will reach 36,000,000 pairs, compared with 35,457,000 pairs in February, 1938.

Chemicals

Alumina Acetate.—Prices unchanged and firm. Demand moderate.

Alumina Chloride.—Shipments held close to production needs. Prices without change.

Antimony Salt.—Quotations nominal. Demand confined to small quantities.

Potash Bichromate.—Market position remains strong. Shipments steady against contracts.

Potash Prussiate.—Firm prices remain in evidence. Buying interest only moderate. December imports 34,461 pounds, valued at $6,601.

Soda Bichromate. — Withdrawals steady to regular consumers. Export inquiry active. Prices firm. December exports totaled 1,328,610 pounds, valued at $146,725.

Soda Prussiate.—No change occurred in the prices. Spot and contract orders fair. December imports were 33,773 pounds, valued at $2,091.

Zinc Dust.—A steady to firm price tone prevailed. Buying was fairly steady.

Dyestuffs

Annatto.—Dealings confined to small quantities. Prices ruled firm, December imports of annatto and extracts were 124,319 pounds, valued at $3,925.

Archil.—Sellers had little to offer on spot. Prices very firm.

Cochineal.—Market position strong, although demand was not very active. December imports totaled 26,146 pounds, valued at $7,957.

Fustic.—Demand held to nearby needs. Pricewise a firm tone prevailed.

Logwood. — Prices remained firm. Business was fair. December imports of Logwood totaled 1,575 tons, valued at $18,112, and extract, 2,475 pounds, valued at $445.

Turmeric.—Quotations were nominal. Stocks were not large, and demand was held to modest proportions.

Sizing Materials

Albumen, Blood.—Domestic sellers still pressed for deliveries. Supplies of imported negligible. Prices unchanged and firm.

Albumen, Egg.—Prices were barely steady at the levels established the preceding period. Buying lacked any improvement.

Corn Sugar.—Tanners chipped, slabs and solid advanced 10c. per 100 pounds. Business fair.

Dextrin, Corn.—Quotations for various grades 10c. per 100 pounds higher. Buying moderately active.

Egg Yolk. — Demand lacked any broadening. Prices about steady and unchanged.

Price Changes

Advanced

Corn dextrin, 10c. per 100 lbs.
starch, 10c. per 100 lbs.
sugar, tanners, 10c. per 100 lbs.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
144.8	144.6	147.1	145.3

Market news that may have developed after this report was sent to press will be found on page 4.

Starch, Corn.—Sellers raised prices for various grades 10c. per 100 pounds to conform with higher raw material costs. Business moderate. January corn grind of eleven refiners of starches, syrups, sugars and other derivatives totaled 5,994,359 bushels, against 5,735,302 bushels in the like month a year ago, according to Corn Industrial Research Foundation.

Starch, Wheat. — Prices without change and steady. Buying held to moderate levels.

Starch, Sweetpotato. — Prices displayed firm tone. Shipments to various consuming channels remain at satisfactory levels.

Starch Wheat.—Prices were not influenced by fluctuations in the commodity market, and the general tone was steady to firm. Buying was not extensive.

Tapioca Flour.—A fair buying interest was reported in some quarters, but on the whole demand lacked any broadening. Prices were unaltered.

Tanning Materials

Chestnut Extract.—Shipments continue moderate. Prices unchanged.

Cutch.—Movement against contracts fair. No change in prices.

Gambier.—Quotations nominal. Spot offerings not large, with demand light.

Hemlock Extract.—Little change uncovered in the character of business. Prices without alteration.

Mangrove Bark. — Prices nominal. Demand not active.

Myrobalans.—Quotations established preceding period without change. Buying interest lagging.

Quebracho.—Fair interest in some quarters, but trading lacks any tangible improvement. Prices ruled firm.

Spruce Extract. — Shipments fairly steady. Prices steady to firm.

Sumac. — Market position strong. Demand confined to necessary replacements.

Valonia.—Prices for cups and beards firm. Buying confined to nearby needs.

Wattle Bark. — Prices unchanged. Business quiet.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Trade Briefs

Milton Knight, vice-president, has been elected to the directorate of the Libbey-Owens-Ford Glass Company, Toledo, succeeding R. A. Bard.

Irenee duPont, of the E. I. duPont de Nemours & Co., Wilmington, has been elected a member of the board of managers of the Franklin Institute, Philadelphia.

Central Trading Corporation, importer of oxide and sulphate of cobalt and the metal, has leased additional office space at its present address, 511 Fifth avenue, this city.

Fisher N. Davis, assistant general sales manager for the Owens-Illinois Glass Company, Toledo, has been placed in charge of the company's Texas sales office, with headquarters in Dallas.

Dr. Donald Price, chief research chemist for the National Oil Products Company, Harrison, N. J., has been elected president of the newly organized Chemists Alumni Association of Columbia University, this city.

Randall Chemical Corporation has moved to larger quarters at 514-516 Johnston avenue, Jersey City, N. J. Frank H. Dalldorf is president of the organization, and his associates are: Norman S. Robinson and Samuel J. Ratcliffe.

Chemists would have to be licensed by the State in order to practice or to be a "professional chemist" after January 1, 1941, according to the terms of a bill introduced at Albany by Assemblyman Thomas A. Dwyer, Brooklyn.

Soda Silicate Shown As Soap Sudsing Aid

The incorporation of sodium metasilicate in a soap approximately doubles the sudsing improvement induced by the addition of tetrasodium pyrophosphate to such soap or cleansing compositions, it is reported in the February issue of "Silicate Ps' and Q's," monthly publication of the Philadelphia Quartz Company.

The article explains that the addition of 10 percent of pyrophosphate to a hard-water soap composition showed an improvement in suds of 24 percent. However, when the same amount of pyrophosphate was added to a composition similar, except that it contained silicated soap instead of ordinary soap, an improvement of 46 percent in suds was noted. The figures indicate, it was said, the value of silicate as a builder for soaps. Copies of the issue containing the article may be obtained by addressing the offices of the Philadelphia Quartz Company, 121 South Third street, Philadelphia, mentioning the REPORTER.

Foreign Tariffs Reviewed

"Foreign Tariffs and Commercial Policies During 1939" is the title of a review of trade regulations of various European countries, prepared by Henry Chalmers, chief of the Division of Foreign Tariffs of the Bureau of Foreign and Domestic Commerce, Washington.

Vanadium Corporation of America, this city, has called for payment March 15 at 101 and interest the entire issue of its convertible 5½ percent debentures, due April 1, 1941.

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Coal-Tar Bases
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Pickling Inhibitors
Benzol
Toluol
Xylol
Solvent Naphtha
Hi-Flash Solvent
Flotation Reagents
Anhydrous Ammonia
Hydrogenated
Coal-Tar Chemicals
Cyclohexane — Methyl Cyclohexane
Methyl Cyclohexanol — Cyclohexanol
Cyclohexanone — Methyl Cyclohexanone

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Coaltar Chemicals

General Demand Fails to Broaden — Steel Output Off — Toluol Position Strong—Tar Acids Move Steadily—Fumaric Acid Being Manufactured by a New Process

Dealings in the market for coaltar chemicals did not broaden last week. Consumers generally followed a moderate purchasing policy, and most business represented withdrawals against contracts for necessary replacements. While demand has slackened, indications were that production was also tapering. Steel operations last week recorded another decline to the lowest rate since the beginning of September. The market lacked any new price developments, and the general tone was steady to firm.

Coaltar solvents retained their firm position, toluol continued to stand out as the strong spot; benzol and xylol supplies were not so tight. Phenol, cresylic acid and cresols moved moderately, but buying was not as active. Fair quantities of creosote oil moved to large consumers. Pyridin fully retained its firmness. Dealings in coaltar and pitch were only routine.

The market for coaltar acids was featured by the announcement that a leading manufacturer will offer on a semi-commercial basis a technical grade of fumaric acid manufactured by a new process at prices considerably below the old level.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	125.6

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol. — Shipments against contracts remained moderately active. Volume failed to keep pace with the peak levels of a few months ago, but was sufficient to keep market in a steady to firm position. At the same time, the recession in steel operations reduced production to some extent. Export inquiry was only fair. December exports totaled 45,320 gallons, valued at $9,713, of which 3,000 gallons went to Switzerland; 8,200 gallons to Canada; 10,322 gallons to Cuba and 22,720 gallons to Argentina.

Carbazole.—Dealings were not large, and usually confined to current needs. Prices were firm.

Coaltar.—Withdrawals against contracts were routine. Prices unchanged. December exports of crude and refined totaled 59,556 gallons, valued at $5,811, of which 52,355 gallons went to Canada.

Creosote Oil.—Buying was not especially active, but some fair size shipments moved out against contracts. Prices were unaltered. December imports were 4,087,436 gallons, valued at $429,720, of which 1,898,215 gallons came from Belgium and 2,077,652 gallons from the United Kingdom.

Cresols.—Prices were generally firm in this direction. While demand has slackened, some grades were still in a strong position. December imports of metal, ortho and paracresols aggregated 43,611 pounds, valued at $12,570, of which 11,000 came from the United Kingdom and 32,611 pounds from Canada.

Cresylic Acid.—Business lacked any improvement, however, interest was sufficient to maintain prices at firm levels. Little interest developed in the imported material, and prices were the same. December imports amounted to 125,872 gallons, valued at $48,755, of which 115,322 gallons came from the United Kingdom.

Naphthalene.—Movement of refined continued to move in seasonal volume. Trading in the crude was still routine. Prices were firm. Nothing new took place in the market for imported, with prices about the same. December imports were 3,575,713 pounds, valued at $38,796, of which 1,978,391 pounds came from Russia; 1,023,842 pounds from the Netherlands and 564,480 pounds from Germany.

Phenol.—Major consumers entered the market for moderate quantities against contract. Prices were without change. December exports totaled 86,265 pounds, valued at $12,944, of which 47,135 pounds went to Brazil and 34,982 pounds to Colombia.

Pitch, Coaltar. — Buying failed to broaden, and prices were held at firm levels. December exports aggregated 662 tons, valued at $13,450, while imports totaled 436 barrels, valued at $1,519.

Pyridin.—Market fully retained its strong position. Shipments moved steadily.

Tar Acid Oils.—Business continued to follow normal seasonal trend, and prices were in conformity with those established previously.

Toluol.—Market remained strong. Demand was still ahead of production, but backlogs were not as large as previously. Good export inquiry.

Xylol.—A firm price tone prevailed. Shipments against contracts were steady. Export interest not active.

Chicago Coaltar Bases

Firm market conditions are reported in the coaltar bases market. Somewhat restricted supply in comparison with that reported in recent months, being caused by declining steel operating rates, is keeping the market in steady position, and demand is reported holding up well for most items. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Buying remained on a conservative basis. Prices were unaltered.

Benzoic.—Spot and contract transactions were moderate. Quotations ruled unchanged.

Broenner's.—Routine dealings was the rule. No change occurred in the quotations.

Cleve's.—Business was steady. Price-wise a firm tone prevailed.

Fumaric.—One manufacturer offered a technical grade on a semi-commercial basis manufactured by a new process at 24c. per pound for one-ton lots, one delivery, packed in 325-pound barrels; smaller lots were 25c. per pound.

Gamma.—No new developments of consequence entered the market. Prices were well sustained.

Laurent's.—Commitments were confined to nearby requirements. Prices ruled firm.

Maleic.—Demand continued moderately active. Prices failed to change.

Picric.—Firmness characterized the trading. Demand was steady.

Sulphanilic. — Business did not broaden to any degree, but held steady. Prices were without change.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Other Intermediates

Alphanaphthol. — Quotations remained firm. Withdrawals were fairly steady.

Anilin.—Interest from principal consumers was moderate. Pricewise a firm tone predominated.

Anthraquione.—There was little disposition to extend commitments beyond current needs. Prices were without alteration.

Benzidin Base.—Transactions were routine. No change was disclosed in the prices.

Betanaphthol.—Buying was spotty. Pricewise no new developments transpired.

Dimethylanilin.—Withdrawals were moderately active, with most consumers making necessary replacements. Prices were firm.

Dinitrobenzene.—A firm price tone prevailed. Dealings were regarded as satisfactory.

Dinitrophenol. — Demand displayed little change from recent weeks. No change was uncovered in the prices.

Dinitrotoluene.—A strong price tone remained in evidence. Dealings were confined to regular consuming channels.

G. Salt.—Trading displayed no change and withdrawals were routine. Prices ruled unchanged.

Metanitroparatoluidin.—Market retained a firm position. Commitments were not large.

Nitrobenzene.—Spot and contract shipments were sufficient to keep the market in a satisfactory position.

Orthodichlorobenzene. — Shipments moved to consuming channels steadily. No change was disclosed in the prices.

Orthonitroanilin. — While business was on a more moderate scale, buying was adequate to maintain prices at firm levels.

Orthoniluidin. — Pricewise a firm tone prevailed. Buying was along moderate lines.

Paranitroanilin.—Withdrawals were held to nearby requirements in most instances. Quotations ruled firm.

—Continued on page 40

Spanish Chemical Syndicate Formed to Curtail Imports

The stimulation and the protection of the Spanish domestic chemical manufacturing industry is seen in the recent creation of the National Syndicate Service of Chemical Industries. The combined Spanish industries have an annual production valued at approximately $50,000,000, according to advices to the Department of Commerce, from the office of the commercial attache in Madrid. It is understood that the new organization will create a research committee which will promote the manufacture of new products within the country, and encourage the utilization of raw materials now available in Spain as well as the production of many products now imported from overseas sources. In addition, the syndicate, as is the case with the other industrial bodies of this type in Spain, will be a regulatory and protective agency through which imports will be at least partially controlled.

Arsenical Plant in Italy To Be Completed in 1940

The S. A. Stabilimenti di Rumianca of Turin is erecting on behalf of the Italian War Ministry a new white arsenic plant. Upon completion of the new plant in the spring of 1940 the combined output of the new works and the smaller plant at Pieve Vergonte will be adequate for Italian requirements of white arsenic, according to the Department of Commerce, Washington. The company will also erect a plant for the manufacture of arsenicals and a sulfuric acid establishment.

Carboy Pourer Designed For Safe Handling of Acids

Welded steel carboy handling racks and trucks are described in a new catalog of the Barrett-Cravens Company. A carboy pourer, one of the pieces of equipment described, makes it possible for one man to quickly easily, and safely tilt such containers. The safety features of the pourer are said to be especially important when corrosive liquids are being handled, since it avoids unnecessary spattering and possible compensation losses.

Similar safety features are incorporated in the design of the carboy and barrel trucks described in the booklet. All of the equipment is of sturdy welded construction, to insure long life under the conditions encountered in the industrial plant. Copies of the catalog, No. 388, in which the numerable pieces of handling equipment made by the company are completely described and illustrated may be obtained by addressing the Barrett-Cravens Company, 3279 West 30th street, Chicago, Ill., mentioning the REPORTER.

Netherland Indies Plans Large Chemical Plant

The Department of Economic Affairs of the Netherlands Indies has drawn up a plan for the establishment of certain major industries in the area between Rembang and Sarabaya, where famines have been threatened, with the object of improving the economic position of the natives in that part of the country, according to advices to the Department of Commerce from the American trade commissioner in Batavia. Cement could be manufactured as lime and clay are found in this district (such as at Grissee) and the sand dunes at Toeban contain raw material suitable for the manufacture of glass and glassware.

It is also intended to establish a large chemical manufacturing plant in this area. After one or more of these major industries has been established in this district, a spinning mill will also be erected with the object of making cotton growing, which is done on a small scale in this area, a profitable occupation for the natives.

Socony-Vacuum Oil Company, this city, has purchased the business and assets of the United Petroleum Company, Cincinnati.

Trade Briefs

People Drug Stores, Inc., Washington, January sales amounted to $1,871,771, against $1,773,192 in January, 1939.

Leroy Voss has been made acting manager of the Cincinnati office of the Geigy Company, dyestuff manager, this city.

Commercial fertilizer sales would be regulated by the Kentucky Experiment Station under the provision of a bill just introduced in the Kentucky House of Representatives.

United States Trade Mark Association, this city, has filed a certificate of voluntary dissolution in the office of the New York Secretary of State.

Golden State Fireworks & Display Company's plant, Redondo Beach, Cal., was destroyed by explosion and fire that did $200,000 damage February 9.

John W. Dennin, formerly with the S. L. Abbot, Jr., Company, has joined the Gilbreath Chemical Company, San Francisco, where he will have charge of the alkali department.

B. V. Sullivan, manager of the Providence office for Philipp Brothers, Inc., manufacturers' agent, importer and exporter of chemicals and ores, this city, was recently elected president of the Chamber of Commerce of Cranston, R. I.

Fenton United Cleaning & Dyeing Company, Cincinnati, has elected W. H. Wuerderman chairman of the directorate and E. K. Wuerderman, former secretary, was made president. H. B. Fenton was re-elected vice-president.

James H. Heroy, vice-president of the Pittsburgh Plate Glass Company, has been appointed chairman of the chemicals, paints, and drugs division of an appeal for a $125,000 fund to provide a new accident and emergency department at the Roosevelt hospital, New York.

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Coaltar Chemicals

Other Intermediates

—*Continued from page 39*

Paranitrotoluidin.—Quotations were firm. Dealings were steady.

Phthalic Anhydride. — Shipments moved steadily to major consuming channels. No change occurred in the quotations.

Soda Naphthionate.—A moderate buying interest was the general rule. Prices were in conformity with those prevailing previously.

Thiocarbanilide. — Demand was steady for nearby requirements. Prices were without change.

Tolidin Mixed.—Market position was strong. Buying limited to regular consumers.

Xylidin Mixed.—The character of trading displayed little change. Prices were well sustained.

Coaltar Colors

Buying interest remained at moderate levels in the market for various coaltar colors last week. Consumers apparently were not disposed to expand commitments for the present, but ordered when needs became urgent. Demand for export, while not as active, continued more active than a year ago. There was no weakening in the prices, and a steady to firm price tone characterized the trading.

December exports amounted to 2,598,170 pounds, valued at $1,160,028, of which 326,203 pounds went to Canada, 96,595 pounds to Mexico, 166,327 pounds to Argentina, 106,791 pounds to Colombia, 492,769 pounds to British India and 884,815 pounds to China. Imports during December aggregated 286,413 pounds, valued at $491,925, of which 106,572 pounds came from Germany and 165,466 pounds from Switzerland.

Industrial Rayon Corporation, Painesville, Ohio, plans $4,000,000 plant improvement program.

Bauxite Shipments Up 19 Percent in 1939

Domestic shipments and imports of bauxite in 1939 increased substantially over those in 1938, according to the Bureau of Mines, United States Department of the Interior. Shipments from mines in the United States in 1939 totaled 369,000 long tons, valued at $2,174,000, an increase of 19 percent in quantity and 20 percent in value compared with 1938. All of the increase was accounted for by mines in Arkansas, shipments from Alabama and Georgia having decreased.

During the first eleven months of 1939 bauxite imports increased 11 percent compared with the corresponding 1938 period, and exports of bauxite and bauxite concentrates decreased 18 percent compared with the same period of 1938. Receipts from Surinam advanced 22 percent over those of 1938, while imports from British Guiana declined 64 percent. Surinam accounted for 93 percent of the total imports from January to November, inclusive, 1939, as compared with 85 percent in 1938, whereas the percentages from British Guiana were 4 and 13, respectively. The balance of the bauxite came from Greece, France and Netherland India in 1939. In addition to bauxite, eleven tons of aluminum hydroxide (refined bauxite) was imported from January to November, 1939.

Of the eleven months' exports in 1939, 39,132 tons were bauxite and other aluminum ores, and 5,112 tons consisted of bauxite concentrates (alumina, etc.). The respective tonnages for the corresponding period in 1938 were 40,358 and 13,925. In 1939 Canada took 39,101 tons of the cruder materials, the balance going to the United Kingdom and Germany, and 4,189 tons of the bauxite concentrates. Of the other bauxite concentrates, 900 tons went to Norway, and the balance to Denmark, Mexico, Peru and Brazil.

Nord & Schulick, Inc., coaltar chemicals, Midland, N. J., has purchased a factory at Keyport, N. J., from the American Cyanamid Company, this city.

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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Paints

Antifouling Agents for Use in Paints

Alkyl-lead phenolates
Ammoniated mercury
Ammonium selenocyanate
Arsenic oxide
Baco jelly
Barium silicofluoride
Bis-alkyl xantogens
Bis-alkyl xanthates
Borosalicylic acid
Calcium selenocyanate
Calcium silicofluoride
Chlorinated rubber with—
(1) Arsenic compounds
(2) Arsenic oxide
(3) Copper compounds
(4) Copper oxide
(5) Growth-inhibiting agents
(6) Mercury compounds
(7) Mercury oxide
(8) Zinc compounds
(9) Zinc oxide
Chloroxyphenol
Chromyl acetate
Copper compounds
Copper linoleate
Copper oleate
Copper and mercuric oxides
Copper oxide
Copper phthalate
Copper resinate
Copper naphthenate
Copper subacetate
Copper sulphide
Copper sulphocyanide
Deguelia active principle
Derris active principle
Diphenylaminochloroarsin
Diphenylchloroarsine
Diphenylcyanoarsine
Lead arsenate
Lead-mercury acetate
Lonchocarpus active principle
Mercury compounds
Mercury chloride
Mercury anilinselenocyanate
Mercury oleate
Mercury palmitate
Mercury phthalate
Mercury selenocyanate
Mercury stearate
Naphthol
Organic arsenic compounds containing 2 phenyl groups
Orthohydroxyquinolin sulphate
Parachlorometacresol
Paris green
Phenol
Potassiuf selenocyanate
Rotenone
Schweinfurth green
Sodium orthophenylphenate
Sodium 2-phenylphenate
Sodium selenocyanate
Sodium silicofluoride
Sulphurous acid
Tephrosia active principle
Thymol
Vermilion
Zinc oxide
Zinc dust
Zinc silicofluoride

Antiskinning Agents for Paints

Bartyl
Butyl lactate
Guai-aphene
Lignocol
Orthodichlorobenzene
PA 1,2,3,4, and 10
P.O.H.

Bituminous Materials Used in Paints

Bermudez asphalt
Coaltar pitch
Fatty acid pitches
Gilsonite
Glance pitch
Grahamite
Manjak
Petroleum asphalt
Pinetar pitch
Trinidad asphalt
Watergas-tar pitch
Wood pitch
Wurtzelite pitch

Blistering Preventives for Paints

(Paint must be free from iron oxide, lime, resin)
Diethyleneglycol
Dipropyleneglycol
Ethyleneglycol
Glycerin
Pentaerythritol
Polyglycerols
Polyhydric alcohols
Propyleneglycol

Driers Used in Making Paints

Abietic acid
Acetonephenylhydrazone
Aliphatic ketonephenylhydrazones
Aluminum linoleate
Aluminumnaphthenate
Aluminum oleate
Aluminum palmitate
Aluminum resinate
Aluminum rosinate
Aluminum salts of—
(1) Amylbenzylorthobenzoic acid, normal, secondary, or disecondary
(2) Amylnaphthoylorthobenzoic acid, secondary
(3) Amyltetrahydrobenzoylorthobenzoic acid, secondary
(4) Amyltetrahydronaphthylorthobenzoic acid, secondary
(5) Amyltoluylorthobenzoic acid, secondary
(6) Amylxyloylorthobenzoic acid, secondary
(7) Butylbenzoylorthobenzoic acid
(8) Caprylbenzoylorthobenzoic acid
(9) Hexylbenzoylorthobenzoic acid, secondary
(10) Octylbenzoylorthobenzoic acid, secondary
(11) Octylnaphthoylorthobenzoic acid, secondary
(12) Octyltoluylorthobenzoic acid, secondary
(13) Octylxylorthobenzoic acid, secondary
(14) Orthoparamethylbenzylbenzoic acid
(15) Salts of toluyl acid and its derivatives
Aluminum stearate
Aluminum tungstate
Ammonium metavanadate
Anethole
Barium salts of—
(1) Amylbenzylorthobenzoic acid, normal, secondary, or disecondary
(2) Amylnaphthoylorthobenzoic acid, secondary
(3) Amyltetrahydrobenzoyl orthobenzoic acid, secondary
Barium salts of—
(4) Amyltetrahydronaphthylorthobenzoic acid, secondary
(5) Amyltoluylorthobenzoic acid, secondary
(6) Amylxyloylorthobenzoic acid, secondary
(7) Butylbenzoylorthobenzoic acid
(8) Caprylbenzoylorthobenzoic acid
(9) Hexylbenzoylorthobenzoic acid, secondary
(10) Octylbenzoylorthobenzoic acid, secondary
(11) Octylnaphthoylorthobenzoic acid, secondary
(12) Octyltoluylorthobenzoic acid, secondary
(13) Octylxloylorthobenzoic acid, secondary
(14) Orthoparamethylbenzylbenzoic acid
(15) Salts of toluyl acid and its derivatives
Calcium linoleate
Calcium naphthenate
Calcium resinate
Calcium salts of—
(1) Amylbenzylorthobenzoic acid, normal, secondary, or disecondary
(2) Amylnaphthoylorthobenzoic acid, secondary
(3) Amyltetrohydrobenzoylorthobenzoic acid, secondary
(4) Amyltetrahydronaphthylorthobenzoic acid, secondary
(5) Amyltoluylorthobenzoic acid, secondary
(6) Amylxyloylorthobenzoic acid, secondary

(To be continued)

Paint, Varnish, Lacquer Materials

Reduction in Shellac and Weakness of Casein Feature Market —Varnish Gum Prices Revised—Titanium Pigments Move Actively—Turpentine Reacts Sharply

Seasonal activity prevailed in the raw paint market last week with a reduction in shellac and furthering weakening of casein being the features. New Zealand casein was quoted at a higher price due to scarcity of supplies, but irregular shipments made this price purely nominal. Both domestic and Argentine grades, on the other hand, were lower, with interest in offerings slack. A strengthening is not looked for until next month.

Titanium pigments were moving well last week but, except for zinc oxides, other pigments were sluggish. Carbon black trade was satisfactory. English vermilion was still strong. Several varnish gum prices were reduced. Turpentine reacted sharply, the setback being due to the withdrawal of buyers and some increase in offerings. Rosin quotations ruled steady. Domestic business was quiet and few export inquiries were received. Receipts were small.

Price Changes

Advanced

Casein, New Zealand, ¾c. per lb.

Reduced

Casein, dom., ½c. per lb.
imp., Argentine, 1c. per lb.
Gum, copal, c.l., 1c. to 1½c. per lb.
dammar, ⅝c. to 1⅝c. per lb.
Shellac, bone dry, 1c. per lb.
Turpentine, gum, 3¾c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	**126.2**	**126.3**	**131.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The demand for lead was brisk most of last week and the recently lowered prices were apparently the cause of the pick-up in interest. The present quotations were firm to strong at 5c. to 5.05c. per pound, f.o.b. New York. Several quarters expressed the opinion that an advance would be made in the near future. Slab zinc continued dull, although there was no evidence of a weakness in price.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from February 10 to February 16, inclusive, were as follows:—

	Per pound		Spot, London, Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0500@.0505	$0.0485	..* .. ..
Monday	.0500@.0505	.0485	.. .. ..
Tuesday	.0500@.0505	.0485	.. .. ..
Wed'n'sd'y	.0500@.0505	.0485	.. .. ..
Thursday	.0500@.0505	.0485	.. .. ..
Friday	.0500@.0505	.0485	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from February 10 to February 16, inclusive, were as follows:—

	Per pound		Spot, London, Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0590	$0.0550	..* .. ..
Monday	.0590	.0550	.. .. ..
Tuesday	.0590	.0550	.. .. ..
Wednesday	.0590	.0550	.. .. ..
Thursday	.0590	.0550	.. .. ..
Friday	.0590	.0550	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Nominal at 15½c. per pound, f.o.b. Texas.

Litharge.—Demand still light despite the reductions of two weeks ago. Prices firm.

Lithopone.—Consumption was at previous levels and prices were steady and unchanged.

Orange Mineral.—Firm, with interest of consumers slack.

Red Lead.—Demand continued dull despite recent reductions. Quoted prices were well maintained.

Titanium Pigments.—A brisk demand was seen during the week, an advance indication of the pick-up in trade that is expected about the middle of next month. All prices were firm and unchanged.

Zinc Oxides.—Little change in demand was reported with consumption by the paint and tire industries at about the same level as the previous week. Prices were steady.

Fillers and Extenders

Barytes.—There was little of new feature to report in the market last week. Demand was at about the same level and was normal for this time of year. Prices were steady and unchanged.

Blanc Fixe.—Interest in offerings did not exceed that of the previous week and the market for both the direct process and by-product materials continued unchanged and in good statistical positions.

China Clay.—The market held the small gains registered two weeks ago. Demand was normal for this time of year and prices were well maintained.

Mica.—Wet-ground paint or lacquer material continued unchanged at 4½c. per pound for car lots and 5c. for smaller quantities.

Whiting.—Demand was routine but satisfactory to leading suppliers. The listed prices were firm and unchanged.

Synthetic Resins

Ester Gum.—Steady at 6½c. to 6¾c. per pound for New York delivery. Shipments during last week did not exceed those of the previous period and were mainly for small-sized lots.

Chlorinated Rubber.—Demand was routine with sales made 32c. per pound for car lots of the standard types and 35c. to 38c. for smaller quantities.

Driers

Palmitates.—Movements against contracts were narrow during the week, although sellers reported trade satisfactory. Prices remained unaltered.

Stearates.—Shipments were a bit off and demand as a whole was sluggish. Call was for small-sized deliveries only. Prices were firm and unchanged.

Varnish Gums

Copals.—Prices were a bit easier last week. A total of 24 reductions was made, the reductions ranging from ⅜c. to 1⅝c. per pound. The market abroad was reported quiet.

Dammars.—Similar to the copals, prices for these type gums were weaker last week, although only four quotations were lowered. The reductions ranged from 1c. to 1⅛c. per pound.

Naval Stores

The naval stores situation was featured last week by a sharp setback in

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Roll in the Barrels
of
PARADURA 540
an outstanding heat-hardening 100% pure phenolic.
PARANOL 54-E
an extremely hard, modified phenolic, very pale and soluble in mineral spirits.
PARANOL 1650
a low-priced modified-maleic resin, pale and hard.
and Roll out Better Finishes

PARAMET SYNTHETIC RESINS

SAMPLES AND DETAILS AWAIT YOUR REQUEST.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

SOFT, MELLOW TINTS
. . . easy to live with

MAPICO YELLOWS: Light Lemon—Lemon—Orange—Dark Orange—Dark Orange Special—are being used more and more in paint formulations because of their brighter, clearer tones. These pure oxides of iron are more brilliant and more uniform in body than earth colors and thus produce the clean, warm tints so desirable for inside trim. In addition to brightness, they have remarkable durability and resistance to sun, weather, acids and alkalies. And, since they are inert pigments, they may be used in any vehicle.

A Variety of Pleasing Tints

When blended with an extender, Mapico Yellows produce a wide range of beautiful creams, ivories and buffs with the qualities of high hiding and fine gloss.

MAPICO Colors
PURE OXIDES OF IRON

DIVISION OF COLUMBIAN CARBON COMPANY

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BINNEY & SMITH CO., *Distributors*
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WHY GRIND C. P. COLORS IN OIL?
USE FLUSHED COLORS FOR RESALE OR SHADING

50-F-212 Primrose Yellow
50-F-218 Light Chrome Yellow
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5-F-100 Toluidine Red

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HYDROGEN	ALCOHOLS	PYRIDINE
CARBON DIOXIDE	ESTERS	FORMIC ACID

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Write for Bulletin

W. A. HAMMOND DRIERITE COMPANY
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COMPARISON OF
• New Formulas
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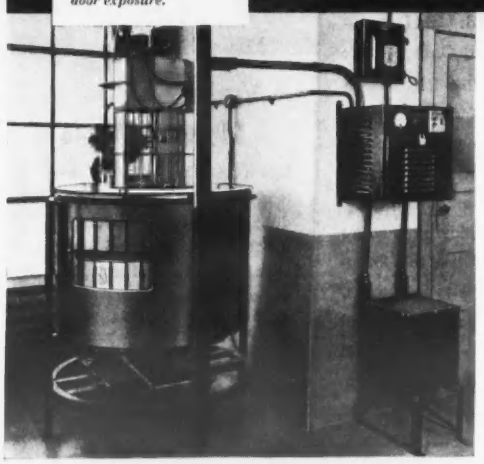
A few days' exposure in this unit gives weathering effects equivalent to those resulting from weeks or months of outdoor exposure.



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• The weathering effects of water, air thermal shock and light obtained in this unit can be duplicated any time, at any season and in any location. The variations in weathering conditions, associated with outdoor exposure, are eliminated.

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Unit of Union Carbide UCC and Carbon Corporation
Carbon Sales Division: Cleveland, O. General Offices: 30 E. 42nd St., New York
BRANCH SALES OFFICES: NEW YORK PITTSBURGH CHICAGO SAN FRANCISCO

turpentine, the price at Savannah receding on Wednesday to 31c., showing a decline of 4c. as compared with the last sales officially reported. Offerings increased slightly, while buyers held off, apparently being disposed to await further developments. Rosin quotations underwent little change in primary centers, the quotations, however, being nominal in the main as business appeared to be at a standstill so far as official records of transactions were concerned. Reports were current at times to the effect that business had been closed privately in both rosin and turpentine at below official quotations. There were reports of a fair movement into consuming channels on contracts and in some quarters bullish views continued to exist concerning domestic consumption during the coming season despite the disappointing character of reports concerning the trend of general business in recent weeks. Receipts in primary markets last week were again very light.

Turpentine. — Business remained quiet in the local market, consumers generally being disinclined to purchase in advance of current needs in view of developments in the Savannah market where the price dropped under increased offerings.

SAVANNAH, Feb. 16.—Turpentine was quiet. Following is a record of the market for the week:—

	Cents (gal.)	Barrels Sales.	Receipts.	Shipments.	On hand
*Saturday	...	...	...	...	.....
Monday	35	45	20	5	17,154
Tuesday	35	...	8	11	17,151
Wednesday	31	...	...	26	17,125
Thursday	31¼	30	55	...	17,180
Friday	31¼	23	9	...	17,189

* No trading.

JACKSONVILLE, Feb. 16.—Turpentine quiet and firm. Following is a record of the market for the week:—

	Cents (gal.)	Barrels Sales.	Receipts.	Shipments.	On hand
*Saturday	...	...	...	...	.....
Monday	34⅜	...	...	12	38,307
Tuesday	34⅜	...	6	...	38,313
Wednesday	34⅜	...	...	...	38,313
Thursday	34¾	...	5	87	38,231
Friday	34¾	...	...	61	38,710

* No trading.

PENSACOLA, Feb. 10.—The turpentine market was quiet. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	6	131	15,560
Tuesday	5	...	15,565
Wednesday	18	...	15,583
Thursday	...	...	15,583
Friday	...	244	15,339
Saturday	17	637	14,727

LONDON, Feb. 16.—Turpentine 54s. 9d. per 112 pounds. Stocks of American as follows:—

	Feb. 16.	Previous week.	Last year.
Barrels	15,143	15,244	27,701

Rosin.—A steady tone prevailed here in company with primary markets where quotations underwent little change during the week. Business was quiet, such transactions as were reported being limited to comparatively small lots.

SAVANNAH, Feb. 16.—Rosin quiet and firm. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.	Barrels Sales.	Receipts.	Shipm't.	Stocks
B	...	$4.75	$4.75	$4.75	$4.75	$4.75	...	123	72	...
D	...	4.75	4.75	4.75	4.75	4.75	...	192	372	...
E	...	5.10	5.10	5.10	5.10	5.10	...	15	2,739	...
F	...	5.20	5.20	5.20	5.20	5.20	...	25	...	1,380
G	...	5.40	5.40	5.40	5.40	5.40	...	5	...	118,241
H	...	5.40	5.40	5.40	5.40	5.40				
I	...	5.50	5.50	5.50	5.50	5.50				
K	...	5.50	5.50	5.50	5.50	5.50				
M	...	5.50	5.50	5.50	5.50	5.50				
N	...	5.55	5.55	5.55	5.55	5.55				
WG	...	5.60	5.60	5.60	5.60	5.60				
WW	...	6.20	6.20	6.20	6.20	6.20				
X	...	6.20	6.20	6.20	6.20	6.20				

* No trading.

JACKSONVILLE, Feb. 16.—Rosin remained quiet. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.	Barrels Sales.	Receipts.	Shipm'ts.	Stocks
B	...	$4.50	$4.50	$4.50	$4.50	$4.50	...	10	127	...
D	...	4.75	4.75	4.75	4.75	4.75	5	26	...	...
E	...	5.40	5.40	5.40	5.40	5.40	...	...	...	...
F	...	5.40	5.40	5.40	5.40	5.40	...	22	122	331,828
G	...	5.40	5.40	5.40	5.40	5.40	...	445	658	...
H	...	5.40	5.40	5.40	5.40	5.40				
I	...	5.50	5.50	5.50	5.50	5.50				
K	...	5.50	5.50	5.50	5.50	5.50				
M	...	5.55	5.55	5.55	5.55	5.55				
N	...	5.55	5.55	5.55	5.55	5.55				
WG	...	5.65	5.65	5.65	5.65	5.65				
WW	...	6.20	6.20	6.20	6.20	6.20				
X	...	6.20	6.20	6.20	6.20	6.20				

* No trading.

PENSACOLA, Feb. 10.—Rosin receipts light. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	32	44	52	33	12	31
Shipm'ts	100	200	175	301	...	178
Stocks	59,153	58,907	58,784	58,515	58,327	58,274

LONDON, Feb. 16.—Rosin, W.W., 35s. per cwt.

Pine Oil.—Fair movement of moderate lots to local and other consumers. Prices steady.

Pitch.—Quotations firm at former levels. Purchasing generally limited to moderate lots for prompt shipment.

Rosin Oil.—The market had a firm tone but prices lacked quotable change. Business quiet.

Tar.—A somewhat better inquiry was noted although there was no snap to business. Market steady.

Shellac

Bleachers reduced quotations 1c. per pound on bonedry, regular and refined. The new schedule was:—Bonedry, 24c. to 25c. per pound; refined, 30c. to 31c. These were quotations covering spot deliveries. Deliveries in Boston, Chicago, and on the Pacific Coast commanded the usual advances. The decline was in line with the recent substantial fall in Calcutta prices on all kinds of shellac, a movement that put the spot market down on such materials.

Demand for spot deliveries continued rather light. Deliveries against outstanding contracts have provided many manufacturing consumers with an excellent reserve of merchandise and hence transactions last week were usually confined to those buyers who do not operate on long term contracts.

Dry Colors

Bone Black.—Firm at 6½c. to 17½c. per pound with demand routine and at about the same level as the previous week.

Carbon Black.—Akron tire makers were a bit less active last week and shipments to those manufacturers were off slightly. Demand was still satisfactory to producers of the black, however, and all prices were firm and well maintained.

Chrome Green.—Demand unchanged with price firm at 21c. to 30c. per pound for C.P. material.

Chrome Yellow.—Shipments to the trade were at prior levels and prices were steady at 13½c. per pound for contract and 14½c. for open order.

Eosin Toner.—Firm at $1.25 per pound with demand normal.

Iron Blues.—Offerings to paint makers continued to be accepted satisfactorily and the price was steady and well maintained at 33c. per pound for contract and 34c. for open order.

Mercuric Oxides.—The metal was still firm last week and the oxides mirrored it. Sales were made at $2.41 per pound for the technical red material and $2.26 for the yellow.

Ocher.—Manufacturers of the American ocher offered material at the unchanged price of 1⅜c. to 6¼c. per pound with fair interest in offerings reported. The French product was nominal at 2⅝c. per pound, f.o.b. New York.

Para Toner.—Firm at 70c. per pound for contract delivery and 75c. for open order.

Potash Blue.—Demand was at a satisfactory level and the price was firm at 42c. per pound for both contract and open order.

Venetian Red.—Price steady at 2.20c. to 3.60c. per pound, f.o.b. works.

Vermilion.—Strong at $2.46 to $2.55 per pound.

Lacquer Materials

Business remained at steady levels in the market for lacquer materials and solvents last week. However, volume displayed some slight tapering off, indicating that most consumers were content to order closer to production needs. Sellers were looking forward to a broader movement in the next few weeks. Cellulose acete and triacte prices were uniformly 33c. per pound irrespective of quantity as pointed out in the late market section of the preceding issue. Other prices remained unchanged.

Acetone.—Interest continued steady, although volume tapered off to some extent. Export inquiry remained satisfactory. Prices firm. December ex-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

ports totaled 2,860,925 pounds, valued at $257,848, of which 1,276,534 pounds went to Japan, 485,830 pounds to Sweden and 336,000 pounds to Spain.

Amyl Acetate.—A firm tone governed the dealings. Business was moderately active. December exports were 144,456 pounds, of which 124,800 pounds went to Japan.

Butyl Acetate.—Prices held firm. Shipments were moderately active. December exports amounted to 773,511 pounds, valued at $72,477.

Butyl Alcohol.—The call for the normal and secondary was steady. Prices were unchanged. December exports 1,254,567 pounds, valued at $104,505.

Cellulose Acetate.—Prices for all grades including triacetate were now 33c. per pound irrespective of quantity as reported in the late market section on February 9.

Tricresyl Phosphate.—Quotations remain firm. Shipments were steady, but volume slackened.

Glues and Binders

Casein.—Domestic material showed further downward movements last week with the 20-30 mesh material offered at 12c. per pound, compared with the previous quotation of 12¼c. to 14c. There were reports that the new price could be shaded in some quarters. Argentine material was also off, being lowered from 12c. to 13c. per pound two weeks ago to a range of 11c. to 11½c. last week. New Zealand material was ¾c. per pound higher and was nominal at 14c. The increase in the latter price was due to the lack of shipments from that center and the lower stocks of the product in this country. The domestic material was still in small demand as was the Argentine. Stocks were reported ample and were believed sufficient to last until the new crop is produced around April 1.

Glues.—Bone glue was offered at 13½c. to 15½c. per pound and the hide materials were unchanged at 15c. to 24c. Inventories are not very large at the present so no reduction in prices is expected in the near future. With a little push in business an advance may be seen.

Paint Rates to Be Lowered By Western Railroads

—Continued from page 5

36,000 pounds. The jurisdiction of the Southwestern and Western trunk line committee together comprises substantially the area between Chicago and the Mississippi river on the East, and the Rocky Mountains on the West.

Currently fourth-class rates are applicable to lots of 20,000 pounds, and the average of fourth-class rates, from Chicago to twenty representative points in the Southwest is $1.37. The average of the fifth-class rates presently to be established is 93 cents. It was further recommended that publication be made between stations in other territories, Eastern and Southeastern, and stations in the Southwest if, as and when concurrences are received from other jurisdictions. The new basis must be formally published and filed with the Interstate Commerce Commission before it will be available. The effective date will be announced later.

Trade Briefs

Naval Stores Holding Company, New Orleans, will redeem $165,000 of 6½ percent income debenture bonds, due November 1, 1942, at 101½ and accrued interest.

Fuchs & Lang Manufacturing Company, division of the General Printing Ink Corporation, has issued a new ink specimen book especially prepared for small offset presses.

Pittsburgh Plate Glass Company has started production of a new chalkboard or blackboard for schoolroom and home use manufactured from a specially treated plate glass called "Nucite."

S. L. Abbot Company has been appointed exclusive distributors in Northern California, Northern Nevada, Utah, Idaho, Oregon and Washington for the products of the U. S. Lime Products Corporation.

Dr. Alexander Schwarcman, research director of Spencer Kellogg & Sons, Inc., at a recent dinner meeting of the Harvard Business School Club of Western New York in the Buffalo Club, discussed "Current Development in Industrial Chemistry."

Arabol Manufacturing Company, industrial adhesives, held their annual sales conference in this city recently. The three-day session was attended by twenty-four members of the organization, being climaxed with a dinner at the New York Athletic Club.

Monroe Sander Corporation, paint, varnish, lacquers and synthetics manufacturer, has taken an additional building at 10-26 46th avenue, Long Island City, adjoining their present plant, to be used for general offices, shipping and warehouse for finished products.

Harry C. Williams, formerly associated with Berry Brothers, paint manufacturer, Detroit, has joined the Reardon Company, St. Louis, for which organization he will cover the Western territory, succeeding Kelvin Moore, recently named sales manager of the Montreal plant.

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Offices and Agents In Principal Cities
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Pigment Color Division GLENS FALLS, N. Y.
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ALUMINUM - ZINC - CALCIUM
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Low Viscosity Type. MP 275° F. Extremely Uniform.
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Agents and Warehouse Stocks in Principal Centers

Krebs Completes 10-Year Paint Research Program

A ten-year program of research in the field of exterior paints and pigments has just been completed by the Krebs Pigment and Color Corporation, Wilmington. The investigations included laboratory research, practical studies, and exposure tests over a long period of time and under a variety of climatic conditions. The survey covered the entire range of modern house paint evolution. This included the early lead-and-oil paints, lead-zinc combinations, the lithopone paints, and particularly the newer type titanium dioxide pigment.

Objectives of this program were three-fold. A determination of the characteristics and relative durability of various commonly-used pigments and extenders was sought. Second, the study considered development of the best possible exterior paint formulas from available materials. Third, use of the information obtained to assist paint manufacturers and guide development of improved pigments for more satisfactory results in exterior paints was undertaken.

Plastics From Coffee Planned by Brazil

OPD Washington Bureau
February 16, 1940

The Brazilian National Coffee Department has recently purchased a small plant in which experiments will be conducted in connection with the commercial production of plastics from coffee. Arrangements have been made to obtain the requisite equipment in the United States and it is expected that operations will begin within a few months of its delivery, according to advices to Department of Commerce from the office of the American consulate general in Sao Paulo.

The sponsors of the Brazilian project claim that a 60 kilo or 132 pound bag of coffee will produce 45 kilos or 99 pounds of plastic material and about one and one-quarter gallons of oil, and that this plastic material mixed with rubber, carnauba wax or other materials produces a satisfactory plastic.

Buffalo Paint Club Held Valentine Party Feb. 10

The annual "Ladies Night-Valentine" party of the Buffalo Paint, Varnish and Lacquer Association was held in the Hotel Statler February 10. Milton L. Back, president of the association, welcomed members and guests and turned the party over to Robert C. Stark, general chairman.

Mr. Stark called upon Sydney Stilling and Otto Schuele, two past presidents and veteran members of the association, who indulged in a little humorous by-play, characteristic of their friendly rivalry down through the years. A floor show and dancing climaxed the party.

Cleve. Production Club Hears of Hiding Powers

The February meeting of the Cleveland Paint and Varnish Production Club was held February 16. The guest speaker was J. Thompson, of the New Jersey Zinc Company, whose subject was "A Practical Hiding Power Comparison of Lithopone and Titanium-Calcium Pigments in Commercial Flat Wall Paints."

As a special feature, the March meeting has been designated as "Executive Night," and will be held on March 15, to which club members are to invite executives of their company who would be interested in becoming better acquainted with the club's activities. E. I. Evans, of the Industrial Commission of Ohio, will talk on "Workmen's Compensation Costs and Rates in the Paint Industry."

LAMP CARBON BONE **BLACKS** LAKE VINE OXIDE
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Obituaries

Charles Killgore

Charles Killgore, founder and head of Charles Killgore, Inc., manufacturer of compressed tablets, this city, died February 12 in his home in Short Hills, N. J., after a week's illness. He was ninety-one years of age.

Born in Union township in Hunterdon County, N. J., Mr. Killgore entered the drug trade in 1863 and at one time was connected with the old drug firm of McKesson & Robbins. In 1866 he founded his own company to manufacture compressed tablets on machines he developed and patented in 1881 and 1882. In 1887 he was granted a patent for a process effecting the rapid disintegration of compressed tablets, thereby overcoming the main obstacle preventing wide use of tablets. Surviving are two sons, A. Nelson of North Scituate, Mass., and Edward W. of Short Hills, N. J.

Joseph A. Mangin

Joseph A Mangin, former vice-president of the United Color & Pigment Corporation, Newark, died in his home in Maplewood, N. J., February 12. He was forty-two years of age.

Born in Newark, Mr. Mangin was graduated from St. Benedicts Preparatory School and Notre Dame University. He joined the United Color & Pigment in 1919, and was named vice-president of the company in 1926, succeeding to a vacancy created at that time by the death of his uncle, Thomas H. Mangin. Surviving are his wife, two sons, a sister, one brother, Gregory Mangin, internationally known tennis player, and his parents, Mr. and Mrs. Joseph J. Mangin, of Newark. His father has long been identified with the United Color & Pigment Corporation.

Dr. William Conger Morgan

Dr. William Conger Morgan, chairman of the chemistry department of the University of California, died in his home in Los Angeles, February 9. He was sixty-five years of age. Born in Albany, N. Y., Dr. Morgan received his Ph.D. from Yale University. Since 1920 he has been at the University of California, and is the author of several textbooks on chemistry. Surviving are his wife and three sons.

Benjamin H. Bennetts, chairman of the North Pacific section of the American Institute of Mining and Metallurgical Engineering, died in Tacoma, Wash., February 12. He was sixty-five years old.

Charles F. Bliss, soil conservation expert, died February 2 in Los Angeles. Surviving are his wife and daughter.

Florence M. Dolan, secretary to Louis Neuberg, vice-president of the Warner Chemical Company, this city, died unexpectedly in the Woodlawn Sanitarium February 7.

John J. Fasmer, former general salesmanager for the Stephens-Adamson Manufacturing Company, transmission equipment, Aurora, Ill., died February 3. He was fifty-six years of age.

Dr. Horace T. Mann, professor of petroleum engineering at the Missouri School of Mines, died February 8. He was fifty-eight years old.

Charles H. Hornbeck, superintendent and manager of the Atlas and Neenah mills of the Kimberly Clark Corporation from 1913 to 1929, died February 14 at Appleton, Wis. Mr. Hornbeck, who was associated with the paper industry most of his life, was 71 years old.

John J. Robinson, district manager for the Liggett Drug Company in Long Island and Brooklyn, died February 12. He was fifty years of age.

Gustav Tilgner, president and cofounder of Olsen & Tilgner Manufacturing Company, paint machinery, Chicago, died February 9. He was ninety-three years old.

Samuel Woolf, president of the New Rochelle Glass Company, New Rochelle, N. Y., died February 14. His age was fifty-eight.

Toronto Production Club Hears About 'Nuade'

The Toronto Paint and Varnish Production Club was addressed, at its January meeting, by Harold Johnson, of the Nuodex Company, Elizabeth, N. J., on "Streamlined Grinding." He said that the four fundamental raw materials in the paint trade were the oil, resin, pigment and the solvents. He said, however, a new era has dawned and a fifth raw material has been added. This addition, he said, were wetting agents which impart special properties such as drying, gloss, prevention of loss of dry, penetration, and package stability. He then discussed "Nuade," which, he said, adds cohesive strength to the free vehicle which acts momentarily while the paint is on the mill.

Galvanizers to Meet

The Galvanizers Committee will meet in the William Penn hotel, Pittsburgh, April 11-12. Plant and inspection trips are scheduled for the first day of the meeting. Special papers will be presented at the technical sessions on the second day, and will form the basis for round table discussions relating to the common problems of the galvanizing shop. Twenty steel companies are now represented in the membership of the committee, which was organized under the sponsorship of the American Zinc Institute in 1936.

Trade Briefs

Illinois Zinc Company has resumed operations at certain mining and milling properties of the Peru Mining Company.

Standard Oil Company of Louisiana, will construct a $900,000, 1,000-foot steel and concrete dock at its Baton Rouge refinery.

Celotex Corporation, this city, stockholders have approved a proposal to reduce the number of directors from eleven to nine, the number now serving.

M. W. Lightcap, previously associated with Pittsburgh Plate Glass Company, has been named manager of maintenance sales for the Devoe & Raynolds Company, this city.

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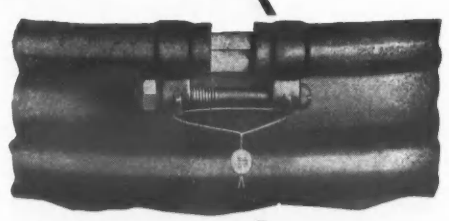

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Oils, Fats, and Waxes

Cottonseed Oil Consumption in January 267,306 Barrels—Narrow Changes in Prices — Coconut Oil Firmer — Perilla Scarce and Nominal — Business Continues Quiet

No broadening of business was noticeable in the market for miscellaneous oils, fats and greases last week. In scattered instances a somewhat better request was noted from consumers who were in need of fresh supplies, but as a rule, purchasing was of the same small-lot variety noted in recent preceding weeks, many consumers and dealers still being disinclined to purchase in advance of current needs. There were few changes in prices, the prevailing tone being steady.

In a survey of the fats and oils trade of the United States, issued from Washington last week by the Department of Commerce, domestic production and consumption of fats and oils in 1939 were the largest on record. There was a large increase in exports and slightly lower imports, a lower average price range and about the same year-end inventory position as in 1938. Imports in 1939 of all vegetable, animal, and fish oils and fats (including the oil equivalent of imported oilseeds) amounted to 1,851 million pounds, a 3 percent decrease from the 1,900 million pounds imported in 1938, and 19 percent less than the previous five-year average of 2,309 million pounds, the latter including the three record years of 1935, 1936, and 1937. Exports (including re-exports), amounting to 552 million pounds, were 81 percent in excess of the 1938 shipments abroad, lard and soybeans being the principal factors in this increase. There were also substantially larger shipments of vegetable oils to neutral European countries since the advent of war.

Chinawood Oil

Quiet conditions continued to prevail in the local market for chinawood oil last week in the absence of any change in the supply situation here or abroad, spot oil still being in very limited supply and shipment offerings continuing light throughout the week. Quotations were about stationary during the period. Small lots of resale oil were said to be available at about the prices quoted by the principal sellers. Much of the oil that arrived recently appeared to have moved into consuming channels on contracts previously placed. Los Angeles reported the arrival of 100 drums last week from Hongkong.

Markets in China

There were no exports of tung oil from Hankow by foreign firms in January and no Japanese shipments of oil were reported, according to a radiogram from the American Consulate at Hankow made public by the Department of Commerce.

The closing quotation for tung oil at the end of January was 130 Chinese dollars per picul of 133⅓ pounds, or US$0.077 per pound.

Japanese purchases consisted of 22 short tons by one Japanese firm, 56 short tons by one American firm, and 34 short tons reported taken by speculators. Stocks of tung oil on hand at Hankow at the end of January approximated 4,767 short tons.

At Hong Kong the quotation for tung oil at the end of January was 125 Hong Kong dollars, or US$30.62 per picul in bulk (US$0.232 per pound), according to a radiogram from the American Consulate General at Hong Kong.

At the end of January stocks held by independent dealers were estimated at 150 short tons. Sales of oil were withheld by dealers until after the Chinese new year on February 8, unless exporters took delivery of the oil before that date. Purchasers of oil were limited to not more than 20 tons from any individual dealer at a time.

Vegetable Oils

Coconut.—Crude oil was steadier, 3⅜c. per pound being quoted for tankcars as compared with 3¼c. in the previous week. There were reports of occasional inquiries. Refined oil was quiet and steady. A radiogram from Manila to the Department of Commerce dated February 10 reported the copra market as firm. Arrivals at Manila were 107,100 sacks; Cebu 101,700 sacks.

Corn.—Crude oil was steadier in company with other commodities, quotations being advanced ⅛c. to ¼c. per pound by some sellers. There were reports of a somewhat better inquiry. Offerings were light.

Cottonseed.—Selling schedules were maintained at previous levels by refiners. The tone of the market was steady. Business was fair.

Oiticica.—A somewhat better inquiry was reported, buying interest being stimulated to some extent by the scarcity and firmness of other products. The market had a steady tone.

Olive.—The inquiry for foots was reported as more active though consumers showed little disposition to purchase ahead. A fair demand was noted for denatured oil. Prices steady.

Peanut.—Crude oil was firmer with reports of a somewhat better inquiry. Quotations were advanced ⅛c. to ¼c., with the figures still mainly nominal.

Perilla.—The market was apparently a nominal affair so far as spot oil was concerned, few dealers being in a position to offer. Shipment offerings were also reported as light.

Soybean.—Crude oil met with a more active inquiry though no transactions of importance were reported. There was a fair request for refined oil. Quotations were generally held at about previous levels. The market for soybeans on the Chicago Board of Trade was fairly active. Following is a price record, per bushel, for the week:—

	High	Low	Closing Feb. 16	Closing Feb. 9
Cash	1.07	1.05⅜	....	....
May	1.06⅜	1.04¾	1.06⅜	1.05¼
July	1.04¾	1.02½	1.04¾	1.03

Markets at Other Centers

Chicago, Feb. 16.—Slightly higher prices are prevailing on some vegetable oils. Buying is conservative.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Price Changes

Advanced

Coconut oil, crude, ¼c. per lb.
Corn oil, crude, ¼c. per lb.
Perilla oil, 1c. per lb.

Reduced

Bayberry wax, 3c. per lb.
Lard, Western, 15c. to 20c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
106.6	**106.6**	**106.6**	**98.0**

Market news that may have developed after this report was sent to press will be found on page 4.

COCONUT.—Crude basis, 2⅞c. to 3c. per pound. Refined, edible oil, 8¾c. to 9c. per pound, drums, car lots; and 9¼c. to 9½c., drums, less than car lots.

CORN.—Crude, low acid, 6⅛c. to 6¼c. per pound, nominal. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.

SOYBEAN.—Crude, 5½c. to 5⅝c. per pound, February-forward.

San Francisco, Feb. 14.—Vegetable oils in fair demand and generally steady.

COCONUT.—Sales reported at 2¾c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Sellers have not been interested in bids of 2⅝c. The market is moderately active. Copra is firmer though unchanged. Suppliers in the Philippines quoting 1.75c. to 1.80c. per pound, c.i.f. Pacific Coast ports and were firm in their ideas. Routine buying in progress here.

CHINAWOOD.—Trading reported on the Coast for light quantities at 25½c. per pound in tankcars.

BABASSU.—Quoted 5⅝c. per pound in tankcars, f.o.b. mills, Pacific Coast.

OITICICA.—Raw, liquid oil quoted 19c. to 20c. per pound in drums, f.o.b. Pacific Coast ports for forward shipment out of Brazil. Spot stocks are scarce.

COTTONSEED. — Domestic bleachable oil quoted 6⅞c. per pound in tankcars, f.o.b. mill, Northern California.

RAPESEED.—Nominal at 8½c. per pound in tankcars, f.o.b. Pacific Coast ports. Buying very light.

Linseed Oil

Domestic markets for flaxseed futures were quiet. Prices irregular. Linseed oil, cake and meal steady.

Flaxseed.—DULUTH, Feb. 16.—About the only activity in flaxseed was the consistent demand for seeding. Cash basis unchanged at 13 cents a bushel over Minneapolis May for flax on track, and 8 cents over for flax to arrive.

Supplies of flax dropped only 6,000 bushels during the week. Stocks in store now total 36,000 bushels, compared to 110,000 bushels a year ago.

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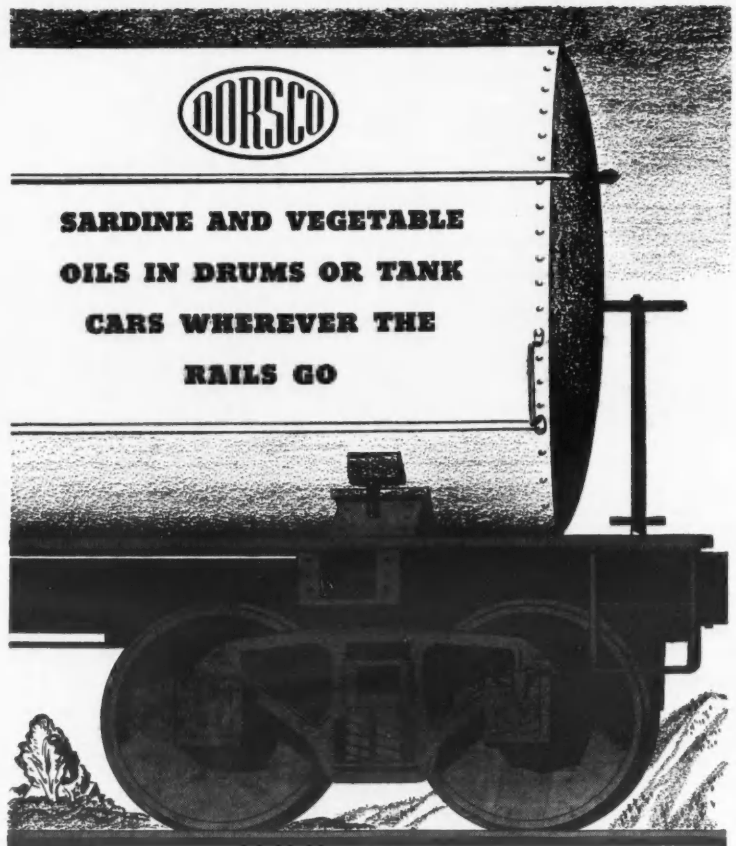

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"where the sardine boats dock"

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.10½	$2.00½	$1.97½
Monday	...	...	...
Tuesday	2.08½	1.98	1.96
Wednesday	2.09	1.98	1.96
Thursday	2.11	1.99	1.96
Friday	2.10	1.99	1.95½

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	.....	.....	6,242	.....
Since Aug. 1	3,717,574	1,584,053	1,647,465	1,498,222

MINNEAPOLIS, Feb. 16.—Offerings of flax through the past week continued very light and in good demand. Seed houses accumulated a fair supply during preceding weeks and were a little more particular as to quality and type of dockage during the past week. Crushers were very ready takers of flax that seed houses rejected so there was no lack of outlet for the daily arrivals and prices held very firm as compared with futures. Out movement of supplies slackened some as compared with in movement but there was little margin in favor of local buyers and because of the steady run of mills private and public elevator stocks were drawn on freely. In the past four days stocks decreased 50,000 bushels as compared with even up during the same period a year ago. Shipping advices from the country are light.

Seed demand from the country still is good. More snow fell in the southern producing area and soil conditions promise to be quite favorable at the outset of spring. North of Minneapolis precipitation dropped off to almost nothing and the ground is frozen hard to a depth that will interfere with early absorption of moisture.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.13½	$1.97½	$1.95
Monday	...	...	...
Tuesday	2.11½	1.95½	1.93
Wednesday	2.12	1.96	1.92½
Thursday	2.14	1.98	1.93½
Friday	2.13	1.97	1.92½

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	26,600	7,200	15,400	9,600
Since Sept. 1	3,847,600	1,516,340	1,738,400	476,500

WINNIPEG, Feb. 16.—Trading in flaxseed futures remain quiet. Cash trade light. The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.90¼	$1.93½	$1.91¾
Monday	...	...	...
Tuesday	1.90¼	1.93½	1.91½
Wednesday	1.88⅞	1.92	1.90⅝
Thursday	1.90½	1.93¾	1.91¾
Friday	1.90⅝	1.93½	1.92

BUENOS AIRES, Feb. 16.—Opening prices per bushel on February contracts were:—

	Last week.	Last year.
Saturday	$1.18⅞	$1.07¼
Monday	1.18⅞	1.07¼
Tuesday	1.18⅞	1.06⅞
Wednesday	1.17	1.06⅞
Thursday	1.19	1.06⅞
Friday	1.18⅞	1.06⅞

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	256,000	902,000	657,000
United Kingdom	240,000	634,000	110,000
Continent	539,000	232,000	449,000
Orders	.....	.....	.....
Others	.....	.....	31,000
Totals	1,035,000	1,768,000	1,247,000

Since January 1

To—	Bushels— This year.	Last year.
United States	2,871,000	4,093,000
United Kingdom	2,652,000	350,000
Continent	3,271,000	4,948,000
Orders	598,000	1,535,000
Others	51,000	271,000
Totals	9,443,000	11,197,000

Visible Supply

	Bushels.
Last week	3,937,000
Previous week	3,543,000
Last year	5,906,000

HULL, Feb. 16.—La Plata flaxseed quoted at £15 per long ton; Bombay, £18¾.

Linseed Oil.—Quotations were generally held at previous levels by crushers. The tone of the market was easy, however, and it was intimated that quoted prices could be shaded on a bid. There were reports of some increase in the volume of inquiries received but actual business was apparently slow, consumers and dealers still being disposed to hold off for further developments.

Business in linseed oil in some outside markets was reported as more active and withdrawals on contracts also showed an increase. Demand for cash seed in the Northwest continued good with seed houses still the chief buyers. Additional moisture was received during the week and the condition of the soil was generally reported as good.

According to an official report the flaxseed acreage in California for 1940 harvesting has been increased to 140,000 acres against 114,000 acres in 1939. The acreage in Arizona has been increased to 12,000 acres against 5,000 acres last year. On February 1 the crop in California was in very good condition while in Arizona the crop is in full bloom in some sections and just emerging from the ground in other sections. Advices from California reported the sale on February 2 of all the flaxseed, excepting seed reserved for planting, from two blocks of 5,000 acres each.

Flaxseed receipts at New York last week were 478,458 bushels.

MINNEAPOLIS, Feb. 16.—Although actual trade in oil did not increase much interest of buyers broadened noticeably and crushers are hopeful of fair to good business up to the end of the current crop year. More tank and cooperage car lots were taken this past week, for February-June shipment. As yet the buyers have not accounted for much of their prospective need of later months. Considerable oil has been purchased for delivery up to the end of June. No doubt the buyers will wait on developments in the business and political world before making fresh contracts for deferred requirements Shipping instructions improved sharply.

Quotations on carload lots, f.o.b. Minneapolis, tankcar lots, 9.9c. per pound; cooperage car lots, 10.5c. per pound; warehouse lots, 10.9c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	2,700,000	900,000
Since Sept. 1	64,720,000	33,147,372

SAN FRANCISCO, Feb. 14.—While the card price on linseed oil has shown no important change lately, nevertheless severe competition has served to undermine the market structure and considerable bookings of tankcar quantities have been effected. Prices generally heard were 9.2c. per pound, and this was shaded several times, it was learned. Quoted:—Tankcars, 9.6c. per pound; drum lots, ex-mill, 10.2c.; drum lots, ex-warehouse, 10.6c.

CHICAGO, Feb. 16.—Linseed oil quiet. Tankcar, 9.9c. per pound; car lots, 10.5c.; less than car lots, 10.9c.

LONDON, Feb. 16.—Linseed oil, 45s. per cwt.

Cake and Meal.—Domestic trade in meal continued quiet here. Export business was also slow. Prices ruled steady.

MINNEAPOLIS, Feb. 16.—A disorganized soybean meal trade was the prime influence in the linseed meal market of the past week. A number of smaller soybean mills with no storage capacity pressed the market steadily and made the holders of linseed meal contracts nervous and uneasy. As a result they undersold crushers more freely in order to get shipping instructions and dragged the market downward.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $30.50 to $31 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	3,720,000	1,440,000
Since Sept. 1	96,990,000	52,096,650

CHICAGO, Feb. 16.—Linseed meal quiet and easy. Round lots, $32 to $33 per ton; car lots, $33 to $34; less than car lots, $35 to $36.

Cottonseed Oil

Refined cottonseed oil futures were irregular within moderate limits. Trading quiet. Southern markets steady.

Cottonseed Oil.—Trading in refined cottonseed oil futures was on a comparitively small scale much of the time last week despite a rather more bullish monthly cottonseed report from the Census Bureau than had been expected. Outside markets failed to move decisively in either direction, and traders in cottonseed oil were disposed to hold off or operate merely for quick turns within narrow limits. Commission houses were on both sides of the market in a small way. Trade interests were credited with purchases early in the week and with sales later on.

According to the monthly Census Bureau figures the consumption of refined oil during January was 267,306 barrels. This disappearance was about 35,000 barrels larger than some in the trade here had expected. It compared with 235,677 barrels in the previous month and 229,294 barrels in January last year. For the first half of the current season the consumption was 1,864,899 barrels, against 1,573,785 barrels in the same time last season. The visible supply showed a decrease during January of 132,800 barrels, against a decrease of 104,700 barrels in the same month last year. The total visible at the close of January was

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

2,498,100 barrels, against 2,691,100 barrels a year ago, and 2,744,500 barrels two years ago.

Southern markets for crude oil were steadier, prices in some sections being ⅛c. higher. Sales were small, however, in the absence of any increase in offerings. Coconut and corn oils were slightly higher. Trade in cash refined cottonseed oil was generally reported as quiet. A better demand for lard compound was noted in some quarters. Temperatures over the cotton belt were higher, but there were rains at many points and preparations for the next crop were reported as very backward.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from February 10 to February 16, inclusive, comprised 533 contracts, a total of 31,980,000 pounds. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
March	7.26	6.93	7.05@7.06
May	7.16	7.05	7.10@7.19
July	7.29	7.15	7.29 sale
September	7.36	7.28	7.34 sale
October	7.36	7.31	7.31@7.34

Crude, Southeast—.06@.06½c., nom.

Hull, Feb. 16.—Cottonseed oil, refined, 35s. 7½d. per 112 pounds; crude, Egyptian, 31s. 1½d.

Cake and Meal.—Southern markets were generally reported as steady. A somewhat larger movement of meal was noted on domestic orders.

Markets at Other Centers

Atlanta, Feb. 13.—Prime crude cottonseed oil, 6c. to 6⅛c., tankcars, Southeast; 8 percent meal $31 to $31.50 per ton. Cotton crop preparations backward owing to wet, cold weather.

Memphis, Feb. 16.—Crude cottonseed oil steady. Small sales at 6c., Valley basis. Cottonseed meal has upward trend. Open interest in March announced today in pit at Memphis as 19,000 tons, the largest on record for any single month. Government figures released this week showed only 46,000 tons of meal on hand at Tennessee mills on February 1. Spot meal today $30 per ton for 41 percent, Memphis basis. Bulk slab cake $27 per ton at Valley points. Hulls $6.50 to $7 per ton at mill points.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	February 8.	February 15.
March	$28.00@28.25	$28.85@ .....
May	27.00@27.25	27.25@27.45
July	26.75@27.00	26.75@27.15
September	24.50@25.75	25.15@26.00
October	24.50@25.50	24.50@25.50

Fatty Acids

Castor Oil.—There was a steady movement of this fatty acid into consuming channels on unfilled contracts. New business was quieter. The market remained firm.

Coconut Oil.—A steady tone prevailed in the market for coconut oil fatty acid, quotations generally being maintained at previous levels. There was a fair demand for moderate lots.

Cottonseed Oil.—Consumers showed little disposition to purchase ahead, but a fair request was noted and the market retained a steady tone.

Red Oil.—The movement into consuming channels in the manufacture of textile compounds was on a moderate scale, and a fair demand was noted on transient orders. Prices steady.

Stearic Acid.—No broadening of trade was noted, consumers being disposed to limit their takings to moderate lots to fill current needs. Market tone steady.

Chicago, Feb. 16

Transactions in fatty acids are for the most part restricted quantities. Most buyers want prompt movement.

RED OIL.—Distilled or saponified, 8½c. to 9½c. per pound; tanks, 8c. per pound.

STEARIC ACID.—Distilled, single press, 11½c. to 12½c. per pound; double press, 12c. to 13c.; triple press, 14¾c. to 15¾c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 9c. to 9¼c. per pound, tankcar; 9½c. to 9¾c., barrels, car lots; coconut oil, acidulated, 10c. to 10¼c. per pound, tankcar, mostly nominal; 10½c. to 10¾c., barrels, car lots; cottonseed oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; settled cottonseed soap stocks, 60-62 percent basis, 3c. to 3¼c.; boiled down soap stock, 65 percent basis, 4c. to 4¼c.; cottonseed foots, 50 percent basis, 13¼c. to 17⅛c.

Fish Oils

Menhaden.—Consumers of refined oil were generally disinclined to purchase ahead, but there was a fair movement of small or moderate lots. Prices unchanged and tone steady.

Sardine.—Selling schedules were held at former levels by refiners. Business lacked snap, purchases generally being limited to comparatively small lots.

Whale.—Refined oil steady, prices being maintained at former levels. Fair request for moderate lots for prompt shipment.

Markets at Other Centers

Baltimore, Feb. 14.—From a broker comes a report that another small lot of menhaden oil has been sold at 34c. per gallon basis shipping point in North Carolina. Some of the fishing companies are still holding out for higher prices, with 35c. per gallon mentioned as the lowest, and there is believed to be a prospect that this return will be realized.

San Francisco, Feb. 14.—With the end of the season approaching, with most of the production sold up and with rather poor prospects that much more oil will be made in those areas still open, the sardine oil market broke last week when business was turned in the San Francisco area at 36 cents per gallon, a price one cent below the previously recorded level some two weeks back.

The market is quiet. Only few sellers are putting oil out. Production is coming to an abrupt end in the San Francisco and Monterey districts, with the season officially closing tomorrow—February 15. Southern California will run for the next six weeks if fish can be found in sufficient quantity to warrant operation, but lately what fish have been turned in have been of poor quality and low oil yield.

Fats and Greases

Grease.—The market had a fairly steady tone, quotations generally being held at former levels. Purchasing apparently limited to moderate lots.

Lard.—Domestic demand for cash lard reported as somewhat better. Export inquiry lighter. Price movements comparatively narrow.

CHICAGO, Feb. 16.—Lard futures were irregular within moderate limits. Following is a price record, per 100 pounds, for the week:—

	High.	Low.	—Closing— Feb. 16.	Feb. 9.
Cash	$6.22	$6.10	$6.22	$6.25
May	6.50	6.32	6.47	6.50
July	6.67	6.52	6.67	6.70

Stearin.—Tone regarded as better but prices not quotably changed. Fair inquiry for moderate lots.

Tallow.—Reports were current of a somewhat better inquiry, but actual transactions were apparently limited to small lots, large buyers being inclined to hold aloof for a time. With offerings lighter the market was steady.

There was no trading in tallow futures on the New York Produce Exchange from February 10 to February 16 inclusive. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
July	...	...	5.30 bid
May	...	...	5.30 bid

Chicago, Feb. 16.—The cash lard market has continued quiet. Prices are a little draggy. Some attention was paid to the increase of some 40,000,000 pounds of lard in cold storage in the United States for January.

STEARINS (barrels).—Prime oleo, 6c. to 6½c. per pound; lard, 6⅜c. to 6⅝c.; white grease, 5½c. to 5¾c.; oleo stocks, 8½c. to 9c.

TALLOWS (tierces).—Edible, 5⅜c. to 5½c. per pound; prime, 5¼c. to 5½c.; fancy, 5¼c. to 5⅜c.; special, 5c. to 5⅛c.; No. 1, 4⅞c. to 5c.

GREASES (tierces).—Choice white, 5c. to 5¼c. per pound; A white, 5c.; B white, 4⅞c. to 5c.; yellow, 10-16, 4¾c. to 4⅞c.; yellow, 16-20, 4¾c.; brown, 4½c. to 4¾c.

Animal Oils

Lard.—Prices were stationary, with the market tone steady. Purchasing generally limited to comparatively small quantities for prompt shipment.

CHICAGO, Feb. 16.—Lard oil, No. 1, 8¼c. to 8½c. per pound.

Oleo.—Business lacked snap but demand for moderate lots somewhat better. Prices unchanged.

CHICAGO, Feb. 16.—Prime oleo oil 7¾c. to 8c. per pound.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Tallow.—Fair request for moderate lots. Prices unchanged.

CHICAGO, Feb. 16.—Acidless tallow oil, 8c. to 8¼c. per pound, tanks.

Waxes

Bayberry.—Market lower again. Sales at 22c. to 23c. per pound. More competition reported.

Bees.—Market slightly softer. More competition. Open quotations unchanged. Tendency to shade reported.

Candelilla.—Fair demand but less than it was. Prices steady.

Carnauba.—Very fair business done, spot and forward. Prices generally firmer at source. Local quotations fail to decline further. Export business still important part of total trade.

Japan.—Undertones slightly unsettled. More competition. Tendency to shade continues in evidence.

Glycerin and Stearic Acid Plant Proposed in China

Chinese industrialists in Shanghai have formed a new chemical company utilizing oils in manufacturing, according to advices received by the Department of Commerce from the office of the American commercial attache in Shanghai. The capitalization is 500,000 yuan. Products made at the plant will include glycerin and stearic acid.

Filter Press Paper Liner Developed by Enthone Co.

A new high strength paper for filter presses, possessing exceptionally long fibers and processed with a patented wet strength treatment, has been developed by the Enthone Company. In use the paper is placed against the filtering canvas or screen and the filter cake deposits on the paper, enabling rapid cleaning of the canvas by merely removing the paper. It is stated that the high strength of the paper, both wet and dry, obviates danger of tearing. The paper, being only a few mils thick, is also said not to interfere with the tight locking of the plates and frames to prevent leakage. Samples and literature on the new paper may be secured from the Enthone Company, 442 Elm street, New Haven, Conn., mentioning the REPORTER.

Dominican Republic Chemicals Imported Largely from U.S.

The Republics of Haiti and the Dominican Republic, occupying the second largest of the Caribbean islands, showed little change in the market for chemicals and allied products in 1938 from 1937, according to the Department of Commerce. Imports of chemicals into the Dominican Republic declined about 4 percent from 1937 to a total of $1,040,000 in 1938, and those into Haiti advanced about 3 percent to $776,000.

The United States continued to be the largest supplier to the Dominican Republic, accounting for 53 percent of the total, but chiefly because of its large shipments of soap, the United Kingdom furnished 39 percent of the total chemical imports into Haiti, and the United States was second, with 26 percent. France is the second most important supplier to the Dominican Republic, over $140,000 in 1938, and Germany is third with nearly $110,000.

Vertical Agitation Used In New Mixers and Feeders

A bulletin describing "Infilco" chemical mixers and feeders for the uniform preparation and feeding of suspensions or solutions in water, sewage, and process liquid conditioning has been released by the International Filter Company. Uniformity of the solutions or mixtures processed by these units is said to be insured by their vertical agitation design. The units are offered in many capacities with different types of auxiliary equipment to fill all requirements. Interested persons may obtain copies of the bulletin, No. 350-A, by notifying the International Filter Company, 325 West 25th place, Chicago, mentioning the REPORTER.

F. E. Loud, president of Murray Oil Products Company, Philadelphia, is justly proud of the 7-foot sailfish he caught at Boca Raton, Fla.

DuPont Earnings Up

E. I. du Pont de Nemours & Co., Wilmington, has reported a net income of $93,218,664 for 1939 compared with $50,190,827 for 1938.

After provision for dividends on the outstanding debenture and preferred stocks, and including the company's equity in undivided profits of controlled companies not wholly owned, earnings on the common stock were $85,119,490, equivalent to $7.70 a share. This compared with $3.79 a share. Sales and other operating revenues were $298,833,238 compared with $235,409,426 in 1938.

Trade Briefs

Oil Trades Association will hold its annual meeting in the Waldorf-Astoria hotel, this city, March 21.

Noel Robinson has resigned as vice-president and a member of the directorate of the Tidewater Associated Oil Company, this city.

Bell General Oil Corporation has been formed by the Bell Oil & Gas Company for operation of its properties in Southeastern Illinois.

Union Oil Company, Los Angeles, has awarded a contract for the construction of a 13,000 ton tanker to the Bethlehem Steel Corporation.

Gulf Refining Company, Pittsburgh, has submitted plans to the Chattanooga, Tenn., city commission outlining a proposed $250,000 gasoline terminal in that city.

Kentucky Farm Bureau Federation has offered an amendment to the "oleomargarin" bill that would exempt butter substitutes made from domestic fats from the proposed five cents a pound tax.

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50 oz.	s.c.b.	oz. 1.70
25 oz.	s.c.b.	oz. 1.80
16 oz.	s.c.b.	oz. 1.90
4 oz.	s.c.b.	oz. 2.00
1 oz.	s.c.b.	oz. 2.10
⅛ oz.	s.c.b.	oz. 2.60
15 gr.	s.c.b.	bot. .25

★ EPHEDRINE ALKALOID U. S. P. ANHYDROUS ★

*100 oz.	s.c.b.	oz. $1.60
*1000 oz.	lots	10¢ oz. less
50 oz.	s.c.b.	oz. 1.70
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EPHEDRINE SULFATE U. S. P. CRYST. & POWDER

*100 oz.	tin	oz. $1.35
*1000 oz.	lots	10¢ oz. less
50 oz.	tin	oz. 1.45
25 oz.	tin	oz. 1.55
16 oz.	s.c.b.	oz. 1.65
4 oz.	s.c.b.	oz. 1.75
1 oz.	s.c.b.	oz. 1.85
⅛ oz.	s.c.b.	oz. 2.35
15 gr.	s.c.b.	bot. .23

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Drugs, Fine Chemicals

Corn Syrup Advanced — Japanese Menthol Shaded — Moderate Reaction in Santonin — Gelatin and Glycerin Statistical Data Released—Quicksilver Lacks Developments

Demand for drugs and fine chemicals had a routine quality last week that failed in the least to affect prices adversely. For the most part, the basic position of most merchandise was at least firm; some was definitely strong. Consumer needs were covered fairly well ahead in some instances, but in the main the business done last week involved the more pressing of immediate consuming requirements.

Corn syrup sold at higher levels. Menthol from Japan was lower in price and the market gained in competition. Santonin was down slightly from the recent high, but the foreign advance was maintained. Domestic interests show a disposition to ignore the foreign situation as long as possible.

Domestic producers of saccharin report that all regular and normal consumer needs are being supplied promptly. Caffeine continued in tight position and demand was very active. Gelatin and glycerin statistical data for 1939, with 1938 comparisons appear elsewhere in this issue.

All tartar products were strong. Mercurials were unchanged but the schedule does not reflect the present asked price for quicksilver. Strychnine gained strength when raw material advanced.

Price Changes

Advanced

Corn syrup, 10c. per 100 lbs.

Reduced

Menthol, 10c. per lb.
Santonin, $5 per kilo

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
197.5	**197.8**	**196.7**	**183.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Business good. Up to normal. Prices show considerable strength.

Acetone.—Amendment to Federal specifications for acetone (O-A-Sla) becomes effective March 15. Market steady. Prices firm.

Acid, Acetylsalicylic.—New inquiry active. Business volume well maintained. Quotations steady to firm.

Acid, Tartaric.—Undertones strong. No weakness in raw material. Demand for acid very good. Prices fully firm.

Alcohol.—Market undertones very firm. Buyers trade actively. Tenders against contracts being taken up promptly. General market position satisfactory.

Barbital.—Market firm to strong. Very good call. Little competition. Production cost shows strength.

Bismuth Metal and Salts.—Substantial demand. Firm prices. No price competition. Metal shows stability.

Butyl Acetate.—Movement satisfactory. Price position firm. Outlook favorable.

Cadmium.—Metal moving well. No surplus stock. Prices show strength. Outlet for all available.

Caffeine.—Large inquiry for citrated material reported. Entire caffeine situation tight. Producers in full control of market.

Camphor.—Raw material in sharp drop at Savannah. Domestic synthetic camphor prices continued well stabilized. Production engaged well ahead. Japanese natural camphor steady at recent decline.

Castor Oil.—Market firm to strong. Fine demand. Little competition. Production cost maintained.

CHICAGO, Feb. 15.—Castor oil prices are:—Cold pressed, barrels, car lots, 13⅝c. per pound; barrels, less than car lots, 14⅜c.; returnable drums, car lots, 13⅜c.; drums, less than car lots, 14⅛c.; tanks, 12⅞c.; No. 3, extracted, barrels, car lots, 12⅛c.; barrels, less than car lots, 12⅞c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 13⅝c.; tanks,

Codeine.—Demand active and seasonal. All requirements being filled. Prices firmly maintained.

Codliver Oil.—Market slightly easier on medicinal quality. No change in open quotations. More competition. Reports on Norwegian fishing eagerly awaited.

Corn Syrup.—Market up 10c. Prices: 42 degree, $3.12 per 100 pounds; 43 degree, $3.17.

Corrosive Sublimate.—Excellent demand. Market very firm. Prices do not reflect present raw material quotation.

Cream of Tartar.—Market of much strength noted. Demand normal. No unsettlement of any sort expected.

Creosote.—Seasonal demand very good. Recently much stimulated. Prices firm. Market undertones steady.

Emetine.—Best quality raw material shows high cost. Accounts in part for high quotations on eserine. Market strong.

Ephedrine. — Demand excellent. Quantities in request show modest gain. Prices well supported.

Epsom.—Demand conventional and in good volume. Prices steady.

Formaldehyde.—Very good business noted. Consumption well maintained in volume. Prices well stabilized.

Gelation. — Operation data for 1939, with 1938 in comparison, released. Statistics appear elsewhere, this issue.

Glycerin.—No change in excellent demand and stable prices. Data concerning glycerin operations in 1939, with 1938 comparisons, appear elsewhere, this issue.

CHICAGO, Feb. 15.—Glycerin prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

Hydrastine.—No weakness. Not so much demand. Stocks small. Not readily replaceable.

Hydrastinine. — Imports difficult. Spot stocks low. In firm hands. Prices strong. Almost nominal.

Iodine and Iodides.—Well maintained demand and prices. Sellers delivering promptly. Little important competition.

Magnesia.—Outlook good. Current call active routine. All prices firm.

Mannitol.—Prices continued stable position. Demand maintained.

Menthol.—Japanese down to $3.65 to $3.75 per pound. Below replacement. Chinese material available around $3. Demand light and irregular.

Mercurials.—All prices firm. Raw material cost would warrant higher market. Producers seek to hold stable position. Demand routine.

Methanol.—Firm position. Contract tenders taken out very well. Prices fully stable.

Methyl Acetone.—Natural firm and in good request. Synthetic steady. Volume very good.

Methyl Salicylate.—Production cost firm. Prices well maintained. Very good call. Steady at all times.

Morphine. — Seasonal consumption holding well. Prices and market fully firm. Deliveries prompt.

Phenobarbital. — Prices firm to

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Fine CHEMICALS

METHYL SALICYLATE U. S. P.
A favorite flavor with the American public. Rely with confidence on the uniform purity of the Heyden brand to win increased consumer acceptance for your products.

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Large Crystals • Small Flo-Crystals • Powder • Fine White Color and Complete Solubility.

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Crystals and Powder

ACETYLSALICYLIC ACID
10-16-20% Starch Granulations

SALICYLIC ACID U. S. P.
Pure Crystals and Powder

Minor Salicylates
Hexamethylenetetramine
Formaldehyde
Paraformaldehyde
Creosote
Creosote Carbonate
Guaiacol
Guaiacol Carbonate
Potassium Guaiacol Sulfonate
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Write for Current Products List

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BENZOL PRODUCTS CO.
AMINOACETIC ACID (Glycocoll)
AMINOPHYLLINE
BENZOCAINE
CHLORBUTANOL
CINCHOPHEN
CINCHOPHEN SODIUM
ETHYL GLYCOCOLL HYDROCHLORIDE
GLYCYL GLYCOCOLL HYDROCHLORIDE
8—HYDROXYQUINOLIN
ISOBUTYL PARA-AMINOBENZOATE
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN CITRATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
PROPYL PARA-AMINOBENZOATE
TETRA-IODO-PHENOLPHTHALEIN SODIUM
THEOPHYLLINE
BENZALDEHYDE
BENZYL ALCOHOL
BROMSTYROL
CINNAMIC ACID
DIACETYL
METHYL CINNAMATE
METHYL PHENYL ACETATE
PHENYL ACETIC ACID
BENZALDEHYDE
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
DIETHYL OXALATE
DIMETHYL UREA
DI-NITRO CRESOL
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strong. Little competition. Demand holding well. No signs of early change.

Phenolphthalein. — Demand maintained along normal lines. Prices stable. No unsettling influences.

Pilocarpine.—Steady. No important surplus. Upward price trend checked. Demand routine.

Potash Acetate.—U.S.P. movement normal. Immediate needs usually covered. Steady prices.

Potash Bicarbonate.—Steady movement of U.S.P. Firm prices. Buyers trading slightly farther ahead.

Potash Citrate.—Completely stable market. Prices to hold until October 1 at least. Demand routine and normal.

Potash Guaiacolsulphonate. — Seasonal call excellent. More inquiry noted. Market undertones gain strength.

Potash Sulphate. — Call moderate. Mainly routine but about normal. Undertones steady. Prices show stability.

Quicksilver. — Market not active here. Prices maintained, spot and abroad. Primary market movement on export account believed large.

SAN FRANCISCO, Feb. 14.—Further interest in the purchase of quicksilver reported locally. The price was about $175 per flask. Sellers now quoting $180. Little interest shown by eastern buyers. Talk of the foreign cartel considering another raise noted.

Quinine.—Excellent movement. Very firm prices. Complete market stability.

Rochelle Salt. — Business normal. Prices strong. Situation reflects strength in basic raw materials.

Saccharin. — Producers report no shortage in stocks. All regular and normal needs being supplied. Sales to speculative operators barred. London price reported at 98s 4d per pound duty paid Convention quotation.

Salicin.—Inquiry normal. Market fully steady. Competition negligible.

Santonin.—Domestic interest ignoring foreign market developments. Spot quoted $135 to $140 per kilo. Demand light. Improvement expected.

Seidlitz Mixture. — No probable change for declines. Raw material strength pronounced with prices tending up. Demand good.

Silver Nitrate.—Price schedule, basis 100-ounce lots. Smaller lots cost 1c. to 2c. more; 500 ounces, about 1c. less. Table compares prices on bullion, New York and London.

	per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34⅝	21¼
Monday	*	*	21⅜
Tuesday	26⅞	34⅝	21⅜
Wednesday	26⅞	34⅝	20⅞
Thursday	26⅞	34⅝	20⅞
Friday	26⅞	34⅝	20⅞

* Holiday.

Soda Benzoate.—Gain in demand expected. Current trade routine. Prices very steady.

Soda Cacodylate. — Stocks very small. Market strong at $6 per pound, one-kilo bottles, minimum.

Soda Citrate.—Stable price to October 1 creates confidence. Demand routine but normal.

Strychnine.—Raw material advance yet to affect strychnine schedule. Market very firm. Trade normal.

Thymol.—Firm market. Consumer operations normal. Prices well supported by movement. Little competition.

McK.&R. Drug Sales Up 12 Percent in January

Net sales of McKesson & Robbins, Inc., for January were $12,910,268 compared to $12,027,670 in January, 1939, according to preliminary figures just released by William J. Wardell, trustee. The drugs and sundries department, largest division of the company's operations, showed a 12.40 percent increase in sales over January, 1939. Sales in this department, according to the premliminary figures, were $10,002,505 against $8,898,971.

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VITAMIN PRODUCTS
FISH LIVER OILS
ATLANTIC COAST FISHERIES CORP. OF N. Y.
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ALLANTOIN
SCHUYLKILL CHEMICAL COMPANY
2346 SEDGLEY AVENUE, PHILADELPHIA

FISH LIVER OILS
HIGH VITAMIN POTENCY
CONSUMERS IMPORT COMPANY, INC.
342 MADISON AVENUE, NEW YORK

U. S. P. and TECHNICAL
CHLOROFORM
Prices on Request
CHAPLAIN & BIBBO, Inc., 110 Washington Street, New York

NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE POWDERED-GRANULAR
BETA LACTOSE IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

Retail Price Pacts Banned by F.T.C.

—*Continued from page 4*

boycotts, demanded and obtained from distiller-sellers and distributors outside the District of Columbia, and from each other, the adoption and maintenance of systems or policies of merchandising, fixing standard uniform minimum resale prices, discounts and "mark-ups" at which alcoholic beverages were resold by wholesalers and retail dealers in commerce in the District of Columbia.

It is found that in furtherance of these policies, the retail association, its secretary, and the dealer members, agreed that District of Columbia wholesalers should be notified not to supply liquors to price-cutting retailers under threatened penalty of boycott, and that products of wholesalers who permitted their liquors to be sold to price-cutting retailers, should be boycotted and threats of boycott made. The retail association is found to have employed private detectives to check on shipments by wholesalers to retail price-cutters.

Prior Corp. to Sell Bromine For Great Lakes Chemical

Great Lakes Chemical Corporation, Filer City, Mich., manufacturer of bromine, bromides and related products, has appointed the Prior Chemical Corporation as its sole selling agent. The Prior company maintains selling offices in New York and Chicago.

Trade Briefs

Walgreen Company, Chicago, January sales totaled $5,864,879, against $5,646,703 in January, 1939.

Toilet Goods Association will hold its 1940 annual meeting May 14 to 16 in this city. The convention hotel has not yet been selected.

Frozen fish livers, exported to the United States by Japan, used as raw material for the production of commercial vitamin products, totaled 5,500,000 pounds, valued at $1,500,000 in 1939. It was double that of 1938.

Charles E. Hires Company, carbonated beverages, Philadelphia, stockholders have amended the certificate of incorporation to eliminate the Class B stock by the issuance of a new class of stock to be known as capital stock of $1 par value.

Fred. J. Mingst has resigned from the sales staff of N. I. Malmstrom & Co., wool grease, Brooklyn. Mr. Mingst, previous to joining the Malmstrom organization eight years ago, had long been associated with the R & H chemical department of E. I. duPont de Nemours & Co.

Glycerin Data: 1939

Statistics covering production, stocks, and imports of crude, refined and dynamite glycerin the first nine months of 1939 provided the following interesting data when comparison with 1938 figures was made:—

	Pounds	
Production:—	More.	Less.
Crude	21,490,232	.....
Refined	.....	14,375,588
Dynamite	21,914,840	.....
Stocks—		
Crude	1,225,218	.....
Refined	.....	11,147,543
Dynamite	2,892,164	.....
Imports—		
Crude	.....	2,109,794
Refined	.....	2,237,333

The full statistics follow:—

January-December

	Pounds	
Crude, 80 per cent basis—	1939.	1938.
Production	183,610,302	162,120,070
Stocks*	14,635,739	13,410,521
Imports	10,987,731	13,097,525
Refined—		
Production	86,950,963	91,326,551
Stocks†	36,445,992	47,593,535
Imports	330,078	2,567,411
Dynamite—		
Production	65,528,366	43,613,526
Stocks†	25,062,409	22,170,245

* Preliminary.
† Bureau of the Census.

Drug Club Elects To Board of Governors

—*Continued from page 5*

Company; W. R. Crane, of Crum & Forster, and A. J. Smith, of Zweig, Smith & Co. Re-elected for a three-year term were:—W. D. Barry, of the Mallinckrodt Chemical Works, and H. B. Lamy, jr., of the Pacific Fire Insurance Company.

The board of governors will dine the evening of February 20, following which officers will be elected to serve during the coming year.

Proprietary Medicine Exports Reported for December

Proprietary medicines exported from the United States during December have been tabulated by the Bureau of Foreign and Domestic Commerce. The value of the various classes of products exported in December was as follows:—

Classification.	Value.
Mouth washes and gargles	$32,604
Corn and foot remedies	9,307
Plasters	61,423
Liniments	12,359
Salves for burns, cuts and skin diseases	46,315
Salves for coughs, colds and catarrh	70,227
Cold, cough and bronchial preparations	67,290
Catarrh, asthma, and hay fever preparations	21,012
Malaria and chill preparations	5,461
Tonics and blood purifiers	230,493
Laxatives and purgatives	63,626
Milk of magnesia	13,108
Digestive preparations	9,033
Headache, neuralgia, and pain remedies	51,818
Other proprietary medicinals	159,185

Breckenridge Jones has been made assistant manager of the Colgate-Palmolive-Peet Corporation, Jersey City.

Drug Law Inspectors in Training

In the course of its expansion of its inspection forces the Food and Drug Administration has in training several groups of recently appointed inspectors. The group being instructed in the Eastern district is pictured herewith along with a number of older, experienced men who have been acting as instructors.

The new inspectors are shown in the two rear rows of the picture. W. R. M. Wharton, chief of the Eastern district, says that his students are "a fine bunch of college men with scientific training, carefully selected, and appointed under United States Civil Service eligibility."

The instructors, as pictured in the front row, are:—

McKay McKinnon, chief inspector, Baltimore station; J. Kenneth Kirk, chief inspector, Philadelphia station; A. E. Lowe, chief, New York station; C. A. Hermann, assistant chief, Eastern district; W. R. M. Wharton, chief, Eastern district; Olaf Olsen, chief inspector, Eastern District; H. P. Cragin, administrative officer, Eastern district; L. L. Lusby, chief inspector, New York station; J. T. Cain, star inspector (specializing in cosmetics), New York station.

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A series of odorless and non-toxic mold preventives. Recommended as inhibitors of mold growth and fermentation in industrial, pharmaceutical and cosmetic preparations.
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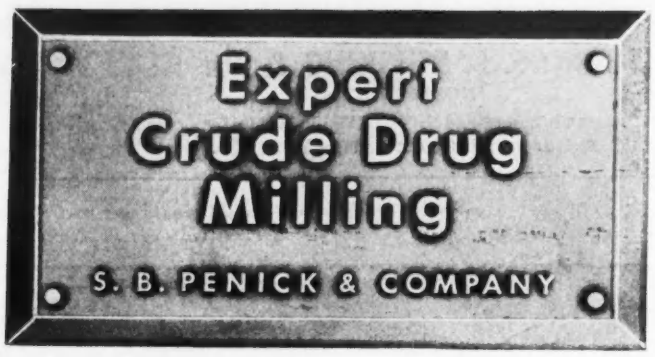
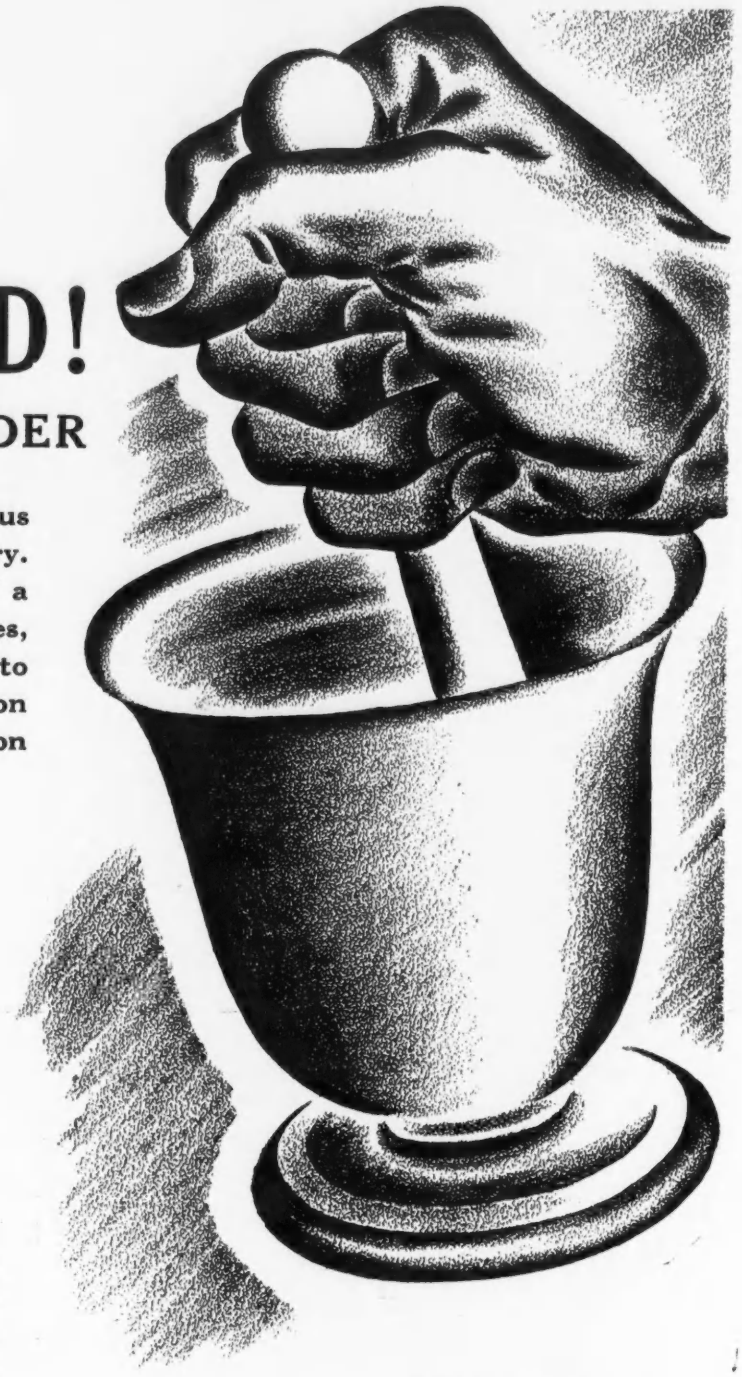
LO AND BEHOLD!

THE CRYSTALS WERE POWDER

The grinding of drugs and chemicals was a serious and annoying problem early in the 19th century. Great then was the rejoicing when a friend of a drug wholesaler, after hearing of his difficulties, easily reduced a barrel of cream of tartar crystals to fine powder in a paint-grinding mill. The contusion mortar and pestle, chief implement of pulverization up to that time, was on its way out.



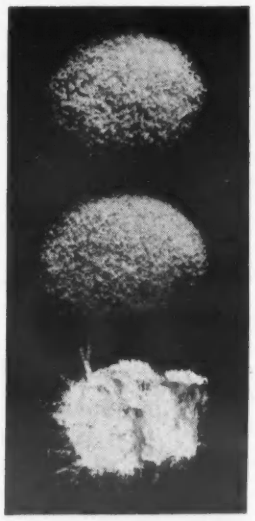


Drug milling today is much more nearly an exact science. As the world's largest botanical house it is but natural that S. B. Penick & Company should be far ahead of the field in plant drug grinding. A whole battery of mills, many especially developed by Penick, assures milling as fine or as coarse as the customer pleases.

CRYSTALS

GRANULAR

POWDERED



Milling marks but one phase of Penick botanical service. These, too, are important: scientific production, speedy delivery, accurate and complete order filling, lowest market prices.

PENICK offers Tragacanth gum, one of the most difficult items to grind properly, in a variety of milled forms. Illustrated at left are crystals, granular and powder. We grind as finely or as coarsely as you please.

Among the items regularly milled to specific customer requirements are:

AGAR AGAR
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SOAP BARK
GUM ARABIC
KARAYA
LOCUST
TRAGACANTH

S. B. PENICK & COMPANY

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Botanical Drugs, Spices, and Gums

Medicinal Botanicals Show Price Strength — Foreign Shippers Refusing Bids—Value Holdover Stocks Highly—No Local Selling Pressure—Sales Volume Conservative on Spot

Trade in the local market for botanical drugs pursued a rather quiet course throughout the past week. The total of sales was fair in size but it was built from orders which, individually, were not very large.

Absence of more aggressive demand was totally without effect on the price position of medicinal botanical drugs. Prices continued steady, to firm, to strong, according to individual items and it could be said, with almost 100 percent accuracy, that the market lacked weakness of clearly defined sort in any material.

The strength of the local market was rooted deeply in the foreign and domestic primary markets—particularly the former. Foreign merchants' price views were totally devoid of weakness. They believe that the carryover into the new crop season will become additionally valuable if European collection prove as unsatisfactory and high in cost as forecast at this time. Certainly there was no disposition to push sales at any except sellers' prices.

Bulgaria has removed export restrictions on medicinal plants. Negligible quantities are imported direct by this country. Holdover stocks of fleaseed in British India have been estimated at 300 long tons. Estimates on the size of the 1940 crop have not been received.

Balsams

Peru.—Business irregular. Prices about steady. No weakness in replacement market. Stocks not too ample.

Tolu.—Routine trade of jobbing size. Prices steady. Little competition.

Barks

Rayberry.—Light demand. Firm prices. No surplus stocks. Replacement cost firm. Shipments not readily obtainable.

Cocillana. — Seasonal consumption making good total. Prices reasonable.

Condurango. — Demand hand-to-mouth. Prices firm. Replacement costs show no weakness. Deliveries from source subject to delay.

Dogwood.—Fair movement to consumers. No unusual competition.

Prickly Ash.—All markets steady. Routine request locally.

Wahoo. — More inquiry. Prices steady, spot and country.

Beans

St. Ignatius.—Little demand. Prices firm and in line with replacement.

Vanilla.—Strength of market unchanged. Demand moderate to fair. Stocks definitely low. Foreign markets strong. Little chance of a lower market.

Berries

Juniper.—Exceptionally firm undertones. Absence of much spot competition. Price advances fully maintained. Demand good.

BOTANICAL MARKET

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	...	1,189
Belladonna	...	43
Caraway	...	9,035
Cardamom (cases)	...	318
Celery	...	2,420
Coriander	...	3,155
Cumin	83	1,810
Digitalis leaves (cases)	1	1
Dill	...	74
Fennel	290	607
Henbane leaves (bales)	72	169
Mustard	300	1,115
Poppy	...	2,023
Sage leaves (bales)	...	459
Sesame	...	3,344
Stramonium	112	284
Thyme	...	244

Price Changes

Advanced

Coriander seed, ¼c. per lb.
Cassia, China, select rolls, 1c. per lb.
extra select, broken, ¼c. per lb.
Gold of pleasure seed, ½c. per lb.
Mustard seed, Danish yellow, ¼c. per lb.

Reduced

Anise, Mexican, ½c. per lb.
Canary, Morocco, ¼c. per lb.
Turkish, ¼c. per lb.
Grains of paradise, 2c. per lb.
Nutmegs, 80's, ½c. per lb.
110's, ½c. per lb.
West Indian, ½c. per lb.
Paprika, Hungarian, extra fancy, ½c. per lb.
Poppy seed, Dutch, ¼c. per lb.
Pepper, black, Alleppy, ½c. per lb.
Tellicherry, ¼c. per lb.
Tonka beans, Surinam, 20c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
189.4	189.4	186.7	119.2

Market news that may have developed after this report was sent to press will be found on page 4.

Raspberries.—Sellers reserved. Not pushing sales. Many weeks before new crop. Prices very firm.

Flowers

Arnica.—Strength pronounced. European prices high. Offerings few. Stocks in strong hands.

Chamomile. — Strong replacement market keeps spot prices firm. Demand very fair. No shading of local prices.

Lavender.—Sellers disposed to accept bids. Conditions favor buyers. No further reduction in open quotations.

Mullein.—Better demand expected. Winter trade was light. Seasonal expansion in sight. Prices steady.

Saffron.—More competition in Spanish flowers. Tendency to shade further noted. No open change made. Mexican saffron holds advance.

Gums

Arabic.—Spot market shaded to 12¼c. to 12¾c. per pound, cleaned amber sorts. Due to competition in well-stocked market.

Benzoin.—Sumatra lower at 22c. to 23c. per pound. Market competitive. Demand moderate.

Galbanum.—Stocks small. Replacement uncertain. Steady prices and light request.

Gamboge.—More inquiry. Some gain in sales. Prices steady.

Myrrh.—Jobbing demand steady. Inquiry improved. Prices well maintained.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

THEY TAKE YOUR WORD FOR IT!

Each time a user of your product buys it, he testifies that he takes your word for the claims you make. Each repeat sale thereafter is a confirmation of the fact that your product has kept its promise. To maintain that feeling at all costs is the most important function of your preparation — and our Botanical Crude Drugs. For nearly a half-century, we have had the privilege of helping manufacturers maintain the uniformity and quality, which build success, by supplying the world's finest Foreign and Domestic botanical crude drugs in all commercially used forms. In the merchandise we sell to you and the products *you* sell your customers, "quality is remembered long after price is forgotten." And, after all, it costs as much to manufacture a low-test product as a high-test product. We invite the opportunity of serving you. ***Samples and quotations on request.***

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SAGE LEAVES
SESAME SEED HULLED
THYME LEAVES
AMINOPHYLLIN
ASPIRIN, QUININE AND
OTHER TABLETS
BARBITAL
CAFFEINE
CARBOLIC ACID CRYSTALS
EPHEDRINE SALTS
ICHTHAMMOL
LANOLIN ANHYDROUS
MENTHOL
Japanese and Chinese
MILK SUGAR U.S.P.
PETROLATUM U.S.P.
STRYCHNINE
NORWEGIAN COD LIVER OIL
Medicinal and Poultry
PEPPERMINT OIL U.S.P.
AGAR AGAR JAPANESE
Shreds, Cut and Powder
BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR JAPANESE
Powder, Slabs and Tablets
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
LAVENDER FLOWERS
LINDEN FLOWERS
MAHUANG, CHINESE
MALEFERN ROOT
ORRIS ROOT VERONA
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Stability in Soap and Cosmetic Perfumes is assured by the use of HYDROXY CITRONELLAL SPECIAL.

The fact that ordinary Hydroxy Citronellal turns rancid in time has long been a drawback. This new product remains stable indefinitely.

The odor you incorporate in your product is of no greater value to you than its condition on reaching the ultimate consumer.

Considering the fact that HYDROXY CITRONELLAL SPECIAL, because of its stability, is no more costly in the long run than the ordinary grade, it is readily understandable why some of the largest users of the product have adopted it.

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Herbs and Leaves

Belladonna.—Strong market. Little competition. Conditions favor sellers.

Damiana.—Stocks still short. Prices about nominal. Shipments delayed from source.

Henbane.—Price tendency still upward. Strong market. Replacement cost high. No weakness anywhere.

Uva Ursi.—New crop uncertain in Europe. Little demand here. Sellers content to hold stocks. Not a buyers' market.

Miscellaneous

Ergot.—Strong. Likelihood of higher prices. Production in 1940 uncertain. Situation under strong foreign control.

Grains of Paradise.—Price shaded to 41c. to 42c. per pound. Little call.

Lycopodium.—Stocks moderate but meeting demand. Prices steady.

Papain.—Spot steady. Demand routine. Some competition.

St. John's Bread.—No further price shading. Sieuation steadier.

Roots

Dandelion.—Scarcity of European offerings. Market strong everywhere.

Gentian.—A buyers' market. Values unsettled. Shading reported.

Turmeric.—New crop Alleppy offered at 5¾c. per pound, February-April shipment, c.i.f. New York.

Valerian.—Could scarcely be stronger. Months before Belgium can offer 1940 crop. Stocks strongly held here.

Seeds

Anise.—Mexican shaded to 13½c. to 14c.; less with firm offer in hand. No other changes.

Canary.—Market lowered to 3.70c. to 4c. for either Morocco or Turkish material.

Coriander.—Fractional rise to 4⅛c. to 4½c. per pound.

Gold of Pleasure.—Sales at 12½c. to 13c. per pound, a rise.

Mustard.—Danish yellow up a fraction to 12¼c. to 12⅝c. per pound. No other changes.

Poppy.—Dutch shaded to 12¾c. to 13¼c. per pound. Hungarian unchanged.

Spices

Cassia.—China cassia up. Selected rolls, 10c. to 10½c. per pound; rolls, broken, selected, 9¾c. to 10¼c. No other change.

Clove.—One quarter offering Madagascar spice to 17¼c. to 17¾c. per pound. Others unchanged.

Mace.—Steady to firm prices and undertones. Fair request.

Nutmegs.—Prices shaded. For 80's, 22c. to 22½c. per pound quoted; 110's, 20c. to 20½c.; West Indian, 11½c. to 12c.

Pepper.—Black Alleppy shaded to 7½c. to 7¾c. per pound; Tellicherry, 7¾c. to 8c. White and red peppers unchanged.

Trading in black pepper futures on the New York Produce Exchange from February 10 to February 16, inclusive, comprised 65 contracts, a total of 2,184,000 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	4.39	4.27	4.35@4.39
March	3.93	3.88	3.93@3.95
April	3.97	3.97	3.99@4.03
May	4.07	3.98	4.04 sale
July	4.17	4.05	4.13 sale
September	4.20	4.16	4.19@4.23
October	4.23	4.21	4.23@4.27
December	4.29	4.25	4.33@4.35

Printing Ink Odors Masked

The January-February edition of the Givaudanian, house publication of Givaudan-Delawanna, Inc., aromatic chemicals, this city, features an article on protecting linseed oil paints from mildew attack. Masking of printing ink odors is also discussed. The editorial by Dr. Eric C. Kunz is entitled "Where Cocksureness Ends, Wisdom Begins."

Peek & Velsor, Inc., Marks 100th Anniversary

Peek & Velsor, Inc., botanical drug merchant, this city, has completed one hundred years of continuous business life. W. T. Peek founded the business in 1840 and in 1872 he was joined by Joseph A. Velsor, the father and grandfather of Joseph H. and Joseph A. Velsor, the present owners of the business. The name then became Peek & Velsor. Several locations in downtown New York housed the facilities of the company for many years but in 1919 a building in Jersey City, N. J., was purchased and the most modern milling machinery was installed. The executive offices of the company are at 100 Gold street, this city.

Soap exported from United States aggregated 4,049,000 pounds in December, compared with 1,835,000 pounds in December 1938.

Procter & Gamble Company, Cincinnati, disbursed $936,000 under the profit-sharing plan to employees in the United States and Canada.

F.C.D. GUMS
FOOD COSMETIC DRUG
ARABIC KARAYA
Processed and Standardized in Grades to Meet All Requirements
FRANCE, CAMPBELL & DARLING, INC. 19-15TH STREET, BROOKLYN, N. Y.

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March 14th
Annual Drug, Chemical and Allied Trades Banquet of the New York Board of Trade at the Waldorf-Astoria.
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Essential Oils, Aromatic Chemicals

Russian Production of Citrous Oils at Batum Forecast in "Pravda" Soviet Official Paper — Ceylon and Java Citronella Shaded—Eucalyptol Down, Demand Fair

Business in the market for essential oils and aromatic chemicals was fairly active last week. Large sized orders were a rarity, however, since consumers came to the spot mainly for quantities covering their comparatively nearby requirements. Prices continued to display substantial stability in the absence of anything likely to bring about a weakening of the price structure.

A report issued by the Department of Commerce and quoting an article in "Pravda," the official publication of the Union of Soviet Socialist Republics, contained the information that a "citrous combine" will open a plant at Batum for the production of citrous food products and essential oils. It will be recalled that the USSR has already produced a peppermint oil which has found a market in this country. Entry into the lemon and orange oil fields will be added complication for other producing countries to overcome.

Replacement costs on most important merchandise continued to hold firm last week. Maintenance of spot quotations was possible mainly because importers cannot replace local stocks at more advantageous prices in the foreign markets. Hence, the market was very firm in all respects, locally and abroad.

Price Changes

Advanced

Wormseed, 25c. per lb.

Reduced

Citronella, Ceylon, 1c. per lb.
Java, 1c. per lb.
Eucalyptol, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
96.3	95.7	94.9	69.5

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—No further price change. Market steady. Fair demand. Moderate supplies.

Angelica.—European production uncertain this year. War may interfere. Spot stocks conservative. In firm hands. Prices hold.

Anise. — Prices steadier. Demand moderate to light. Fair reserves. Competition fairly active.

Apricot.—Undertones firm. Demand routine but about normal. Prices well maintained. Negligible competition.

Bay.—Better inquiry and sales. Prices firm to steady. Primary market holds fair stocks.

Bergamot.—Prices firm. Demand moderate. Replacement cost maintained. Fair spot reserves. No weakness abroad.

Birch Tar. — No unsettlement of prices. Undertones steady to firm. Limited competition.

Bois De Rose.—Spot firm to strong. Primary market making few offers. No sign of early improvement. Demand routine here.

Camphor.—Still a sellers' market. Little material available for selling. Market virtually nominal.

Cananga.—Firmer prices at recent decline. Demand irregular.

Capsicum (Oleoresin). — Demand holds steady. Normal quotations in request. Prices steady to firm.

Caraway.—Slightly unsettled conditions noted. Report of some price shading. No open reductions made. Demand routine.

Cassia. — Fair demand. Steady movement to consumers. Quantities taken conservative. Prices steady to firm. Limited competition.

Cedarleaf. — Signs of improved demand noted. Market becomes steadier. Competition recedes. Values maintained.

Cedarwood.—Market steady. Larger business expected soon. Spring coverage of needs should raise volume.

Citronella. — Ceylon oil lower at 40c. to 41c. per pound, drums; cans, 42c. to 43c. Conditions favor further shading. Java oil, 39c. to 40c. per pound, easier.

Clove.—Very firm market. Raw material cost unweakened. Demand for oil excellent. Deliveries subject to some delay.

Dill.—Fair selling reported. Some attractive contracts taken. Market and prices firm.

Erigeron.—Small stocks. Small demand. Steady prices.

Eucalyptus.—Offerings from source restricted. No surplus of spot stocks. Prices strong at all points. Demand comes steadily.

Grapefruit. — No adverse reports from producing states yet. Outlook for fair stocks believed unchanged. Prices steady.

Ginger. — Trade steady. Inquiries improved. Prices steady to firm.

Lavender. — Business routine but steady. No surplus of stocks anywhere. Prices maintained firmly abroad.

Lemon.—California oil moved well. Price attractive. Undertones steady. Sales volume apparently stable. Italian oil firm at all points. Russia to produce oil at Batum.

Lemongrass.—Market steady. Price low enough to attract fair demand. Conditions favor buyers in some measure.

Lime.—Distilled oil prices fail of further drop. Undertones steadier. Expressed oil firm. Routine but steady request.

Lovage. — Little demand. Prices steady. Reserves moderate.

Mace. — Market firm. Production well engaged ahead. Little competition.

Nutmeg.—Very good call. Deliveries delayed. No surplus output. Undertones firm.

Orange.—West Indian oil steadier. No further shading. African oil easy. California oil commands excellent market. Production in Russia forecast.

Palmarosa. — Replacement steady. Offered moderately from source. Spot quiet but firm.

Wormseed.—Market higher at $4 to $4.10 per pound. Strong at all points. Producers expect large business.

Aromatic Chemicals

Acetaldehyde. — Perfumers' grade firm. Moving well. Prices hold.

Acetophenone. — Demand irregular. For prompt needs only. Price steady.

Amyl Salicylate.—Trade fair. Volume not expanded. Routine needs covered. Prices steady.

Anethol.—Movement fair. Volume maintained. Prices steady. No unsettlement in sight.

Anisic Aldehyde.—Limited gain in sales noted. Market firm. Little price competition.

Benzaldehyde.—Routine request at firm prices. Ample reserves.

Benzyl Acetate.—Inquiry fair and steady. Prices show firmness. Competition not very active.

Benzyl Alcohol.—Selling along normal lines. Buyers cover needs fairly well ahead. Prices steady.

Benzyl Benzoate.—Request rather irregular. Mainly for prompt needs. Prices well supported by producers.

Benzyl Cinnamate. — Trade moderate. New business slow in some quarters. Prices steady to firm.

Benzyl Formate. — More interest. Sales up moderately. Prices show firming trend.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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Benzyl Propionate.—Interest mainly jobbing in kind and size. Prices held well.

Benzyl Salicylate.—Improvement in demand expected. Some signs already noted. Prices steady and well stabilized.

Eucalyptol. — Prices lower. Quoted 75c. to 80c. per pound. More competition. No raw material weakness.

Eugenol.—Firmness prevails. Little competition. Fair offerings suggest reasonable reserve.

Heliotropine.—Light request. Orders usually hand-to-mouth. Prices fully steady.

Menthol.—Japanese lower. Market $3.65 to $3.75 per pound. Domestic synthetic moving well. Prices firm.

Methyl Acetophenone.—Some competitive price shading reported. No change in open quotes. Routine demand.

Methyl Anthranilate. — Demand about normal. Very steady call. Prices well stabilized.

Methyl Benzoate.—Gain in inquiry noted. Market undertones firmer. Little local competition.

Methyl Cinnamate.—Jobbing business very good. Gained some last week. Prices well maintained.

Musk. — Artificial moving well. Prices lack unsettlement. Sellers report fair demand.

Pelargol. — Hand-to-mouth demand creates moderate volume. Prices stable. Competition negligible.

Phenyl Acetaldehyde.—Stocks conservative. Held in firm quarters. No disposition to shade prices. Demand light.

H. L. Brooks, president of Coty, Inc., cosmetic manufacturer, this city, is observing his twenty-fifth anniversary with the company.

Lead Tolerance For Cosmetics Waits

—*Continued from page* 5

if the same amount were present in a finished article. The degree of dilution, however, as well as other factors like the use to which the finished cosmetic is to be put, may play an important part in the determination as to whether or not the constituent is of suitable purity for use in cosmetics. Until such time as more evidence than is now available has been developed on the effects of the external application of lead and arsenic the administration must refrain from setting up definite tolerances for cosmetics and cosmetic ingredients.

The administration up to this time has not held any particular cosmetic ingredient to be outlawed because of the presence of lead and arsenic. It counsels constantly that manufacturers use every possible precaution to keep the amount of all toxic impurities down to the lowest practical minimum.

Toilet Preparations Exports In December Tabulated

The value of United States exports of toilet preparations during December, 1939, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$207,325
Other dentifrices	13,050
Talcum powder in packages	58,686
Face and compact powder	35,404
Cold creams	17,724
Vanishing creams	13,586
Other creams, lotions and balms	23,535
Rouges	16,208
Lipsticks	61,001
Other cosmetics	13,235
Manicuring preparations	25,279
Depilatories and deodorants	9,235
Hair preparations	69,860
Perfumery and toilet waters	13,296
Other toilet preparations	38,139

Petroleum Solvents Lubricants, Fuels

Paraffin Easier and Less Active—Prices Unchanged—Petroleum Naphthas Slow — Heating Oils in Better Demand —Bunker Fuel Oil Advanced in California

Listed quotations for both crude and refined paraffin wax were slightly easier in all refining sections last week, although no actual changes were reported. Supplies were offered a bit more freely and with the increased offerings demand fell off. White mineral oils and petrolatum were more quiet but trade was still satisfactory to sellers and prices were firm. Rubber solvent was moving well but the general market for solvents and diluents was slower. Weakness in gasoline caused some easiness in certain items.

Lubricating oils were not as active as heretofore but low stocks held the market in a firm position. Several refiners were sold up for several weeks ahead. Gasoline continued weak but there was a noticeable pick-up in heating oils and kerosene. Bunker fuel oil was scarce and strong in all sections. At least three large suppliers of bunker fuel on the Pacific Coast advanced the price 15c. per barrel to 90c. last week. This rescinded the 15c. reduction made early in January.

Price Changes

Advanced

Kerosene, tankwagon, 2⅝c. per gal., Charleston, S. C.
Oil, bunker fuel, 15c. per bbl., California.

Reduced

Gasoline, ¼c. per gal., group 3.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—All materials held their previous firmness during the period under review. Demand was at prior levels.

Cleaners' Naphtha.—Interest a bit slacker but still satisfactory. Prices firm.

Lacquer Diluent.—Lacquer makers were ordering in small volume last week but the price was well maintained.

Petroleum Thinners.—Sales to the paint trade were down a bit due to the holiday in various parts of the East and the general quiet reported in the paint manufacturing trade.

Rubber Solvent.—This material continued to show activity, the Akron tire makers buying in enough volume to keep the market at a good level. Prices were steady and unchanged.

Stoddard Solvent. — The cleaning trade was buying normal amounts of this product. Prices were firm.

V.M. & P. Naphtha.—The market was less active than earlier in the month but the price was firm at 6⅞c. to 7c. per gallon.

Markets at Other Centers

Chicago—Feb. 15

Weakness in gasoline seems to be causing some easiness in certain sections of the petroleum solvents and diluents. Prices are unchanged, but tone is reflecting the softening in blending material, etc. Volume of business in most items is reported relatively good. Ruling prices in tankcar lots are (f.o.b. group 3):—Blending naphtha, 4c. to 4½c. per pound; cleaners' naphtha, 6⅞c. to 7c.; petroleum spirits, 5⅞c. to 6c.; rubber solvent, 6⅞c. to 7c.; lacquer diluent, 7⅛c. to 8c.; Stoddard solvent, 6¾c. to 6½c.; v.m.&p. naphtha, 6⅞c. to 7c.

New Orleans—Feb. 15

Trade in solvents and diluents was mixed last week. The takings of the paint trade were of light proportions but rubber solvent was moving fairly actively. No prices were changed.

CLEANING SOLVENT.—Boiling Range 225/350, gravity 53, 6¾c. delivered New Orleans in tank cars.

V.M. & P. NAPHTHA.—Boiling Range 175/425, gravity 48, 6½c. delivered New Orleans in tank cars.

Tulsa—Feb. 15

The general market for petroleum solvents and diluents is quiet. Naphthas are being shaded slightly but other quotations are held to previous levels. Rubber solvent, v.m.&p. naphtha and cleaners' naphtha are all at 6⅞c. to 7c. per gallon. Petroleum spirits are 5⅞c. to 6c. and Stoddard solvent is 6⅜c. to 6½c. Lacquer diluent is offered at 7⅜c. to 7⅞c.

Lighter Fractions

Butane.—Strength continued to be in evidence due to a good Midwestern demand. The price was unchanged at 3c. per gallon, basis group 3.

Heptane. — Unchanged at 11c. per gallon for car lots, but weakness was reported in several quarters.

Hexane. — Market quiet and price unchanged.

Pentane. — Demand was at normal levels, although the market could not be characterized as active. Price-wise, there was no change.

Propane.—Heavy demand was reported and the price was strong at 4c. per gallon, basis group 3.

Petrolatums and Waxes

White Mineral Oils.—The demand for domestic material continued to be more or less active last week. The market was more quiet than heretofore but was still satisfactory to leading suppliers. Prices were firm and unchanged. Russian oil was purely nominal.

Petrolatum.—Similar to the white oils, the market was quieter last week but was still in a healthy condition. Prices were well maintained for all grades.

Paraffin.—A slightly easier tone was reported in the market for crude scale wax but, although there were reports that listed prices could be shaded, no actual changes were made. Material was offered a bit more freely.

Chicago—Feb. 15

Refined wax is somewhat easier. Prices are making a fairly steady showing, but buyers no longer are exhibiting such enthusiasm, and orders are less urgent. Ruling prices are:—122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65c. to 6.7c.; 132-134, 6.9c. to 6.95c.

Tulsa—Feb. 15

Quotations on paraffin are easier with the 124-126 American crude at 6c. to 6¼c. per pound.

The State of the Petroleum Market

No prices were changed last week.

	Feb. 16	Feb. 9	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.2095	$1.2095	$1.135
Gasoline prices at refineries (at four refining centers) per gallon	.0507645	.0507645	.0478125

Fuels and Lubricants

Gasoline.—Refiners' posting were unchanged during the week, but the Eastern market was still easy and sluggish.

Kerosene. — Tankcar kerosene experienced further improvement in activity, although prices were not advanced at New York Harbor.

Fuel and Gas Oils.—Heating oils were in heavy call during the week, a possible consequence of the severe storm and cold. Price continued unchanged. Bunker oil remained firm with very little offered on spot.

Lubricating Oils.—Demand continued to slacken slightly, but the market was still in a good statistical position. Prices were firm for Pennsylvania bright stocks and neutrals.

Tankwagon Price Changes

Standard Oil Company of New Jer-

Petroleum Production—Motor Fuel Stocks

	Barrels 1940 Jan. 1-Feb. 17	Barrels 1939 Jan. 1-Feb. 17
Commercial crude oil production.....	173,203,024	159,076,424
	Week ended Feb. 17, 1940	Week ended Feb. 18, 1939
Daily average production.....	3,672,344	3,273,576
	Week ended Feb. 10, 1940	Week ended Feb. 3, 1940
Estimated motor fuel stocks.....	91,649,000	89,337,000
Estimated finished motor fuel stocks.....	85,262,000	82,986,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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Outputs and Quotas

A comparison of Bureau of Mines calculations for February productions, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended February 10 follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma..	429,000	429,000	†423,700
Kansas. ..	155,500	165,000	†174,650
Nebraska...	....	....	†.....
Texas 1,371,400	‡1,390,151		1,356,550
Louisiana..	252,800	273,253	279,300
Arkansas...	60,000	70,000	69,100
Mississippi.	700	....	†5,100
Illinois.....	325,500	....	384,550
Indiana ...	5,200	....	†5,650
Eastern (not incl. Ill. and Ind.).	103,700	....	99,000
Michigan...	64,500	....	64,950
Wyoming...	55,200	....	68,950
Montana....	15,200	....	16,800
Colorado....	4,100	....	5,200
N. Mexico..	100,300	113,000	113,200
California..	585,900	§594,000	621,400
Totals ...3,529,000		....	3,688,100

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of February. As requirements may be supplied either from stocks, or from new productions contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Okla., Kans., Neb., Miss., Ind. figures are for week ended 7 a.m. February 7.

‡ This is the original net basic allowable for the month and is presumed to have taken into consideration allowances for new wells completed, but to exclude any provision for requested increases. It includes a net figure of 404,480 barrels for East Texas after deductions for 12 shutdown days, namely, all of the Saturdays, Sundays and Wednesdays of the month. For all other areas shutdowns have been discontinued and net allowables set which represent actual permitted production. Developments subsequent to the issuance of the original order, however, indicate that increases have been granted and that the original order is subject to recision at the next statewide hearing on February 16.

§ Recommendation of Central Committee of California Oil Producers.

sey increased kerosene price 2¾c. per gallon to 9¼c. at Charleston, S. C.

Markets at Other Centers

Chicago—Feb. 15

Further weakness has been developing in the tankcar market, in response to the persistent increases in gasoline stocks and the seasonally restricted demand. Kerosene is strong in sympathy with heating oils. Light fuels are in good call and stocks are reported declining. The heavy fuels remain relatively firm, even with reduced takings by the steel industry. Lubricants are marking time, not quite so strong as earlier.

GASOLINE.—Low octane motor, 3¾c. to 4c. per gallon; 63-65 octane motor, 4c. to 4¼c.; 67-69 octane motor, 4¼c. to 4½c.; 70-72 octane motor, 4½c. to 4¾c.; 60-62, 400, 3¾c. to 4c.; 64-66, 375, 4c. to 4¼c.; 68-70, 360, 4½c. to 5c.

KEROSENE.—42-44, water white, 3⅞c. to 4c. per gallon; 41-43, water white, 3¾c. to 3⅞c.

FURNACE OILS.—Range oil, 3¾c. to 3⅞c. per gallon; No. 1 white, 3¾c. to 3⅞c.; No. 1 straw, 3⅝c. to 3¾c.; No. 2 straw, 3½c. to 3⅝c.; No. 2 dark, 3⅜c. to 3½c.; No. 3, 3⅜c. to 3½c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 75c. to 80c.; No. 6, 60c. to 70c.

New Orleans—Feb. 15

The domestic market maintained the same steady price level during the past week with no change in quoted prices. U. S. motor gasoline was quoted at 5¼c.; 63-67 octane at 5⅝c., and 70-72 at 6⅛c., all prices being based on a per-gallon rate at refinery. Kerosene continued to be quoted at 7⅜c. per gallon at refinery. Bunker C fuel oil was quoted at 90c. per barrel at terminal, and 95c. per barrel delivered alongside, while industrial plants were quoted on this grade at $1.36 per barrel, delivered.

Tulsa—Feb. 15

Gasoline quotations in the Central area were advanced ¼c. per gallon to 3⅞c. to 4c. for the lowest octane grade. There was good trade in burning oils despite the lowering of demand from the steel industry. In lubricating oils, more than one refiner is completely sold up for the first quarter and another is six weeks behind on his orders for his own outlet.

GASOLINE.—Low octane is selling at 3c. to 3¾c. per gallon; 63-66 is 3¼c. to 4c.; 67-69 is 3½c. to 4¼c. and 70-72 is 3⅞c. to 4½c.

NATURAL GASOLINE.—The 26-70 grade in Texas is 1¾c. to 2c. per gallon and the 18-55 is 2⅛c. In Oklahoma, the 26-70 is 2c. per gallon and the 18-55 is 2⅜c. to 2⅝c.

KEROSENE.—The 41-43 is 3¾c. to 4¼c. per gallon and the 42-44 grade is 3⅞c. to 4⅜c.

DISTILLATES.—No. 1 prime white is unchanged at 3⅝c. to 3⅞c. per gallon. No. 2 straw is 3½c. to 3¾c., and gas oils are 3c. to 3¼c.

FUEL OIL.—Residuals in the Midcontinent remain at 55c. per barrel and the 18-22 is 75c. to 85c.

LUBRICANTS.—Quotations are unchanged with the bright stocks at 24c. to 28c. per gallon, and neutrals at 13c. to 18½c.

Crude Oil Daily Output Up

Daily average production of crude oil in the United States during the week ended February 10 was 3,688,100 barrels, an increase of 189,300 over the 3,498,800 in the previous week, according to the American Petroleum Institute. An increase of 114,250 barrels in the daily average output of Texas was the most important change. Stocks of finished and unfinished gasoline in the United States at the end of the week were 91,649,000 barrels, an increase of 2,312,000 over the 89,337,000 a week earlier. A year before these stocks were 81,544,000 barrels. Stocks of finished gasoline increased 2,276,000 barrels to 85,262,000, compared with 75,862,000 on February 10, 1939.

Mid-Continent Pet. Plans Erection of $2,250,000 Unit

Mid-Continent Petroleum Corporation, Tulsa, Okla., plans the erection on a site on the banks of the Arkansas river of a new catalytic polymerization unit, new catalytic reforming unit and a new catylic cracking unit. Cost of the entire unit, together with attendant equipment, was estimated by Jacob France, president of the company, at $2,250,000.

Murphey Heads Rhodes Co.

E. R. Murphey has been elected president of the James H. Rhodes & Co., chamois skins, Chicago. Other officers elected were:—Executive vice-president and secretary, L. E. Diamond; vice-presidents, H. L. Gedes, A. N. Sudduth; treasurer and assistant secretary, G. W. Hirsch; assistant treasurer, F. D. Conger.

Fuel Oil Duty Cut

Fuel oil and gas oil which meet Department of Commerce commercial standards C 312-29 fall within the group of fuel oils on which the import duty is cut under the reciprocal trade agreement with Venezuela, the Bureau of Customs has ruled. The presence of excessive moisture and bottom sediment not affecting the character of the merchandise should not prevent its classification in this group, the ruling says.

Trade Briefs

Paraffin production is being stepped up in Italy in an effort to curtail its large imports.

Stanolind Pipe Line Company, Wichita, will build a 145-mile line from Ellis county across central Kansas to its Wyoming trunk line at Washington, Kans.

Major James H. Doolittle, director of aviation sales and research for the Shell Oil Company, San Francisco, has been elected president of the Institute of Aeronautical Sciences.

Ohio Standard Oil Company has sold a 10-acre tract on the South side of Duck Creek road, Cincinnati. The company recently vacated the site when it moved into a new plant on Tennessee avenue.

California Standard Oil Company plans the erection of a gasoline extracting plant with a daily capacity of 20,000,000 cubic feet near Coalinga, Calif., at a cost of approximately $275,000.

G. G. Oberfell, of the Philipps Petroleum Company, Bartlesville, Okla., has been appointed chairman of the 1940 program committee of the division of refining of the American Petroleum Institute.

Thomas Verner Moore, head of the production research department of the Humble Oil Refining Company, Houston, Tex., has been elected chairman of the petroleum division of the American Institute of Mining and Metallurgical Engineers.

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Fertilizer Materials

Another Late Fertilizer Season Expected in All Sections —Tankage Firmer—Blood Continues to Ease—Feed Makers Buy More Japanese Sardine Meal

Heavy snow blanketed the Eastern States last week from Southern New England to Virginia and inland to the Ohio Valley. With the Lower South just barely recovered from the blizzard and freezing temperatures of three weeks ago and the Midwest still in the grip of Winter, indications are that another very late fertilizer season will be seen this year.

Little improvement was noticed in the market for raw fertilizer materials last week. Weakening tankage prices were brought to a halt but blood continued to ease in all sections. There was a good export demand for sulphate of ammonia and feed manufacturers were increasing their purchases of Japanese sardine meal. Potash deliveries were slow and demand for bone materials was irregular. Chemical markets, on the whole, were spotty.

Price Changes

Advanced

None

Reduced

Blood, dried, dom., 16%-16½%, 5c. per unit, f.o.b. N.Y.
high-grade grd., 10c. per unit, f.o.b. Chi.
imp., 5c. per unit, c.i.f. ports.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogenates

Anhydrous Ammonia.—Little of new interest has appeared in the market for this material since it was last reviewed. Prominent producers reported that, in common with the majority of other raw fertilizer materials, trade was a bit duller this year to date than it was during the corresponding period of last season. Contract shipments, however, were fairly satisfactory and a pick-up was expected with the appearance of warmer weather. Prices, as quoted, were firm and unchanged.

Castor Pomace.—Slow at $17.50 per ton for domestic and $20 for imported.

Dried Blood.—Still weak. The 16-16½ percent material reduced 5c. per unit to $3.25 f.o.b. New York. High-grade ground lowered 10c. per unit to $3.15, f.o.b. Chicago. Imported, off 5c. to $3.20 per unit.

Fish Scrap.—Japanese sardine meal firm at $51 per ton. Domestic, Chesapeake Bay material nominal.

Nitrogenous Material.—Firm at $2 per unit, Midwest producing points. Imported product, $2.45.

Sulphate of Ammonia.—Firm at $28 per ton. Demand good.

Tankage.—Slightly firmer than last week, with all prices continuing unchanged.

Urea.—All the various grades of urea materials were moving slowly last week as they had been since the beginning of the year. Contract shipments were irregular and for small-sized lots. Spot business was spotty. A turn in the weather is expected to bring a better demand and a call for more stocks against contracts. The quoted prices were firm and unchanged.

Potashes

Cottonseed Hull Ash.—Steady at $1.10 per unit with sales volume small.

Kainit.—Firm at $12.25 per ton in bulk. Demand routine.

Manure Salts.—Domestic, 58½c. per unit and imported, $17.55 per ton. Demand light.

Muriate.—Market quiet, with domestic offered at 53½c. per unit and imported at $26.75 per ton.

Sulphate.—Offerings light and demand normal. Prices unchanged and nominal.

Phosphates

Bone Materials.—Feeding bone firm and fairly active but fertilizer grades were sluggish. Prices were steady and unchanged.

Phosphate Rock.—Market quiet, with prices firm.

Superphosphate. — Sales made at $8.50 per ton for run-of-pile material and $9 for guaranteed 16 percent. Production of bulk superphosphate totaled 3,801,194 short tons in 1939, compared with 5,575,588 in 1938. Shipments of all superphosphate totaled 2,970,873 tons last year, against 2,719,783.

Sulphur and Pyrites

Announcement two weeks ago that no advance would be made in the crude sulphur price in the near future tended to add firmness to the market last week. Demand from fertilizer mixers, however, did not increase over the previous period. All prices were firm.

Markets at Other Centers

Atlanta—Feb. 14

Some signs of renewed market activity in the fertilizer material market is reported but another late season is expected. Organic ammoniates are offered at lower prices. Rainy and cool weather continue to retard preparation for crops. Quotations of leading materials are as follows:—

SUPERPHOSPHATE.—52 cents per unit, interior producing points.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $31 per ton, Southeastern mills.

BLOOD.—$3.25 per unit, basis Chicago.

TANKAGE.—High grade, $3.25 and 10c., basis Chicago.

NITROGENOUS.—$2 per unit, Midwest; foreign, $2.45, port basis.

Baltimore—Feb. 14

The market for crude fertilizer materials continues to be characterized by quiet, with the buying still held in abeyance and with quotations changed little or not at all.

FISH SCRAP.—Menhaden meal is held at $58 to $59 per ton, with trading slow. Japanese sardine meal is unchanged.

TANKAGE.—Inquiry is again largely confined to the makers of feeds, with the quotations around $3.25 and 10c. per unit-ton, c.a.f., Baltimore.

DRIED BLOOD.—There was an increase in dullness in the market, with domestic stocks ranging around $3.20 per unit-ton, f.o.b. shipping point.

SUPERPHOSPHATE.—Nominal at $8.50 per ton for run-of-pile and $9 for 16 percent milled and screened stocks.

BONE.—The 3 and 50 ground steamed supplies are held at $32 per ton for feeding grades, with 4½ and 50 ground raw material at $32 to $33.

Chicago—Feb. 14

Most representative items in the general fertilizer materials market now are making a better stand in price than recently, although prices of certain items continue to ease off. Blood is in moderate demand, with material available at lower prices. Tankage is firmer. Bone materials are quiet.

BLOOD.—Principal grade, $3.15 per unit of ammonia.

TANKAGE.—High grade, feeding, $3.25 and 10c.; hoof meal, $2.50 to $2.75; liquid stick, $2 to $2.25.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $29 to $30; 3 and 50 percent, $32; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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jaws, skulls and knuckles, $34 to $35; pork cracklings, $47.50 to $52.50; beef cracklings, soft pressed, $37.50 to $42.50; hard pressed cracklings, per unit of protein, 70c. to 72½c.

Los Angeles—Feb. 14

The Southern California fertilizer trade is showing an improved outlook. There was more active purchasing of both organics and chemicals. Ruling prices are:—

SUPERPHOSPHATE. — Domestic, 78c. per unit in bulk, f.o.b. producer's plant. Bags, 90c. per unit.

NITRATE OF SODA.—100-pound bags, $29 per ton ex-vessel or warehouse; 200-pound bags, $28.30.

FISH MEAL.—Easier. California sardine meal is $52 per ton, f.o.b. production points, San Francisco Bay and $51.50, Monterey.

TANKAGE.—Unground, fertilizer grade, wet rendered domestic, $3.10 and 10c. per unit-ton nominally, f.o.b. cars, production source. Ground, $42 per ton, f.o.b. cars, Los Angeles; unground, dry rendered, 65c. per unit of protein.

BLOOD MEAL.—$3.00 per unit, f.o.b. cars, Los Angeles.

Fertilizer Freights Contested

Rates on fertilizer, fertilizer materials, and fertilizer compounds in straight or mixed car loads, within Central Freight Association territtory, are the subject of a complaint filed with the Interstate Commerce Commission by Darling & Co., Chicago. The rates complained of are 22.5 percent of first-class rates, and the complaint contends that they are unjust and unreasonable to the extent that they exceed the lower rates in effect prior to December 20, 1937.

Phosphate Deficiency Reported in Germany

Although Germany is the leading world producer of potash and nitrogen, the deficiency of native phosphate supplies constitutes the major national economic problem of German agriculture, according to advices to the Department of Commerce from the American consulate general in Frankfort-on-Main.

Although Germany's total consumption of phosphatic fertilizer has increased in recent years, rising from 470,800 metric tons P_2O_5 in 1933-34 to 690,300 tons in 1937-38 (in the Old Reich, excluding Austria and other annexed territories), this increase has been far from adequate for meeting the national requirements and is considerably less than the rate of increase recorded in the consumption of nitrogen and potash fertilizers. Whereas, from 1933-34 to 1937-38 consumption of phosphoric acid expanded by around 45 percent, potash showed a gain of 60 percent, and nitrogen of 65 percent. Experts estimate that, compared with actual consumption of 690,380 metric tons P_2O_5 in 1937-38, Germany's requirements actually amount (in the old Reich) to over 1,000,000 metric tons.

Imports of phosphate rock, including apatite expanded steadily from 408,000 metric tons in 1932 to 1,050,000 tons in the period 1936-1938. Approximately 8 to 15 percent of Germany's total imports during 1936-1938 represented apatite from Soviet Russia. Although this source accounted for 152,000 tons of crude phosphate in 1938 the importations during the first seven months of 1939 were only 8,160 metric tons.

Japan to Control Sales Of Organic Fertilizers

A concern to be known as the Organic Fertilizer Distribution Control Company is to be established in the near future to control the distribution of sardine scrap or meal, soybean cake, and other organic fertilizers in Japan, according to advices to the Department of Commerce from the office of assistant commercial attache in Tokyo.

The new concern, which is to be capitalized at 15,000,000 yen, will endeavor to stabilize organic fertilizer prices and establish quotas for various types of materials under official supervision. For the time being Organic Fertilizer Distribution Control Company will only handle the distribution of fertilizers imported from Manchuria and Chosen, but it is expected that the company's operations will improve the supply and demand position of similar domestic products.

Colombia to Furnish Fertilizers at Cost

Legislation recently passed in Colombia provides for a revolving fund of approximately $285,000 to be used by the government for the purchase of fertilizers for direct distribution to farmers, according to advices to the Department of Commerce from the office of the American commercial attache in Bogota. Purchases will be made by the National Procurement Office and distributed at cost. Laboratories will be established in departmental capitals for making soil analyses. The government will also attempt to increase national production of fertilizers sufficiently to enable exportation of the product.

So. Agricultural Workers Hold Annual Meeting

The forty-first annual convention of the Association of Southern Agricultural Workers was held in Birmingham, Ala., February 7 to 9. The theme of the convention was "The Next Step in a Balanced Agriculture for the South." President J. W. Bateman, director of agricultural extension, Louisiana State University, stressed the relationship between soil impoverishment and the decline of democratic institutions.

Waste Elimination Methods For Industrial Plants Shown

The prevention of waste in power production and maintenance about the industrial plant, through the repair or replacement of faulty insulation, roofs, roof coatings, air conditioning ducts, corrugated siding, floors, and similar items, is discussed in a booklet issued by the Philip Carey Company, manufacturers of insulating and waterproofing products. Copies of the booklet may be had from the offices of the Philip Carey Company, Lockland, Cincinnati, Ohio, mentioning the REPORTER.

Howard L. Reed President Of Phi Delta Chi

Phi Delta Chi, national fraternity of pharmacy and chemistry, officers for 1940 are:—Grand president, Howard L. Reed, assistant professor of biology and pharmacology, Massachusetts College of Pharmacy; first vice-president, Dr. Charles V. Netz, assistant professor of pharmaceutical chemistry, University of Minnesota; second vice-president, Dr. David W. O'Day, assistant professor of pharmacy, University of Colorado; third vice-president, J. Edison Adams, assistant professor of botany, University of North Carolina; secretary-editor, Rand P. Hollenback, Columbus, Ohio; treasurer, C. V. Nichols, retail druggist, Anadarko, Oklahoma.

Books You Can Use

Paint Dictionary

National Paint Dictionary. By Jeffrey R. Stewart. Cloth; 154 pages and memoranda space, 9 by 12 inches. Alexandria, Va.: Stewart Research Laboratory. $5.

This volume comprises a glossary of the materials and equipment employed in the manufacture of protective and decorative coatings. Profusely illustrated, this work compiles, between the covers of one book, definitions and explanatory statements pertaining to the industry but heretofore found in numerous reference sources. To give the work life, the author has reserved considerable space for memoranda, simplifying the inclusion of relevant data as it accumulates. There is also bound as a part of the book a number of blank graph pages on which may be laid out the graphs or charts frequently used or desirable to have on file.

In another supplementary section of the dictionary is included such data as conversion charts, nomographs, physical and chemical properties of commonly used raw materials, tank capacity calculations, information on fire extinguishers, solubility tables, electric motor wiring diagrams, and miscellaneous information which may be useful to the technical worker generally.

G. J. Keady

Who was recently elected executive vice-president of the Sharples Corporation, Philadelphia, whose business is centrifugal and process engineering. He was formerly salesmanager.

Smith Drug Co. Described In New Illustrated Booklet

A pictorial history of the C. D. Smith Drug Company, wholesale druggists, Grand Junction, Colorado, is contained in a handsome booklet just published by the company. The modern, two-story brick home of the company, containing 45,000 square feet of floor space, is featured by the work. The business was established in 1900 when the late C. D. Smith took over a small retail drug store, then in receivership. In 1910 a wholesale drug house was opened, which has grown to the present organization rendering service to western Colorado, eastern Utah, and northern New Mexico.

Tolson Retires from Swift Co.

Joseph S. Tolson, for many years in charge of raw fertilizer materials sales and purchases for Swift & Co., Chicago, has retired. Joseph M. Katz, Mr. Tolson's former assistant, has been named to head the division.

MOLECULES AT WORK

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AMMONIA SULPHATE—50 bgs, Synthetic Nitrogen Product Corp, Oslo
ANTIMONY SULPHATE—979 bgs, Banco Minero, Antofagasta
ARECA NUT—150 bgs, C Ziegler, Singapore
ARSENIC—333 bbls, American Smelting & Refg Co, Tampico
BALSAM—2 dms, Fritzsche Bros, Cristobal
20 cs, Cristobal
BARBASCO ROOT—72 bls, C Argast, Inc, Ciudad Bolivar
BARK, MEDICINAL—6 bls, J L Hopkins & Co, Trieste
CACTUS—22 bxs, J L Hopkins & Co, Kingston
CAROB BEANS—210 cs, A Miller & Co, Algiers
FLOUR—120 bgs, S B Penick & Co, Algiers
100 bgs, T M Duche & Sons, Algiers
CARDAMOM—118 cs, P H Petry & Co, Puerto Barrios
CASEIN—1,042 bgs, A Hurst & Co, Buenos Aires
300 bgs, American British Chemical Supplies, Montevideo
CASSIA—112 bls, Irving Trust Co, Batavia
179 bls, Catz American Co, Batavia
599 bls, Batavia
CASTOR BEANS—384 bgs, Baker Castor Oil Co, Santos
1,694 bgs, Baker Castor Oil Co, Rio de Janeiro
880 bgs, Guaranty Trust Co, Bahia
840 bgs, National City Bank, Bahia
40 bgs, Flaco Co, Cape Haiti
50 bgs, Maracaibo
667 bgs, H P Winter & Co, Sourabaya
1,924 bgs, H P Winter & Co, Semarang
CHEMICALS—75 cks, E I du Pont de Nemours Co, Genoa
CHILLIES—268 bgs, B H Old & Co, Bombay
CLOVES—32 bgs, Catz American Co, Macassar
COCA LEAVES—136 bls, Maywood Chem Works, Salaverry
COCOA BEANS—240 bgs, M Harrison Co, La Guaira
300 bgs, Chocolate Suchard, La Guaira
419 bgs, M Harrison Co, Puerto Cabello
106 bgs, W R Grace & Co, Puerto Cabello
100 bgs, Meyer & Co, Puerto Cabello
250 bgs, Puerto Cabello
625 bgs, W R Grace & Co, Guayaquil
250 bgs, Wessel, Kulenkampf & Co, Guayaquil
146 bgs, General Cocoa Co, Guayaquil
193 bgs, Wessel, Duval & Co, Guayaquil
1,050 bgs, Lisbon
210 bgs, Pablo Calvet & Co, Cristobal
500 bgs, Cristobal
190 bgs, Struller & Wood, Jeremie
50 bgs, Schutte & Focke, Jeremie
30 bgs, Irving Trust Co, Jeremie
65 bgs, Cape Haiti
975 bgs, Middleton & Co, Port Spain
250 bgs, Port Spain
500 bgs, Antoni & Co, Carupano
300 bgs, Rio Caribe
460 bgs, Semarang
COCONUTS—500 bgs, J A Manton, Kingston
330 bgs, I L Toledano Corp, Cristobal
COCONUT, DESIC—1,000 cs, Dodwell & Co, Manila
COLCHICUM SEED—25 bgs, J L Hopkins & Co, Trieste
COLOMBO ROOT—222 bgs, S B Penick & Co, Bombay
COPPER, CONC—700 tons, J Henry Schroeder Banking Corp, Coquimbo
CORIANDER SEED—300 bgs, Kachurin Drug Co, Casablanca
CORK—8 bgs, National City Bank, Lisbon
DUST—4 bls, Lisbon
SHAVINGS—300 bls, Public Natl Bank, Lisbon
WASTE—5 bls, A Hurst & Co, Lisbon
141 bls, Public Natl Bank, Lisbon
381 bls, National City Bank, Lisbon
WOOD—1,160 bls, Pablo, Calvet & Co, Lisbon
121 bls, Wicander & Co, Algiers
150 bls, H Suhl, Algiers
COTTON LINTERS—141 bls, W R Grace & Co, Huacho
20 bls, W R Grace & Co, Mollendo
33 bls, H F Barrato, Guayaquil
CYANIDE PRECIP—29 cs, South Amer Development Co, Guayaquil
DERRIS CHIPS—3 cs, Jacobus F Frank, Batavia
ROOT—70 bls, John Powell & Co, Singapore
35 bls, Chase Natl Bank, Singapore
55 bls, Joosten & Jansen, Batavia
DIVI DIVI—2 pkgs, L Kassin, Barranquilla
DYES, ANILIN—2 cs, National Aniline & Chem Co, Havana
ERGOT—2 cs, S B Penick & Co, Trieste
FENNEL SEED—60 bgs, Knickerbocker Mills Co, Calcutta
FENUGREEK SEED—50 bgs, Knickerbocker Mills Co, Casablanca
FILTER PULP—25 bls, A Gusmer, Antwerp
FISH LIVERS—118 bbls, California Packing Corp, Istanbul
SOUNDS—29 cs, W T Ueland, Maracaibo
FLAXSEED—5,071 bgs, 11,156 bus, Archer Daniels Midland Co, Rosario
4,481,400 kilos, 179,256 bus, Archer Daniels Midland Co, Rosario
790 bgs, 1,738 bus, Archer Daniels Midland Co, Ibicuy
824,700 kilos, 32,988 bus, Archer Daniels Midland Co, Ibicuy
7,000 bgs, 37,880 bus, Archer Daniels Midland Co, Buenos Aires
7,000 bgs, 15,400 bus, Archer Daniels Midland Co, Buenos Aires
947,000 kilos, 37,880 bus, Archer Daniels Midland Co, Buenos Aires
4,508 tons, 180,320 bus, Buenos Aires
427 tons, 17,080 bus, L Dreyfus & Co, Buenos Aires
1,200 bgs, 2,640 bus, L Dreyfus & Co, Buenos Aires
FLEASEED—472 bgs, R J Prentiss & Co, Bombay
200 bgs, Wagner Bros, Bombay
137 bgs, T M Duche & Sons, Bombay
GAMBIER—510 cs, I Harrison & Whitney, Belawan Deli
GLASS, WINDOW—390 cs, Richter & Ring, Antwerp
GLYCERIN—47 dms, Hanrahan, Inc, Casablanca
GUM, BENZOIN—10 cs, Belawan Deli
CHICLE—42 bls, Chicle Development Co, Kingston
160 bls, M D Bromberg, Tampico
970 bls, Chicle Development Co, Puerto Barrios
COPAL—400 bgs, Stroock & Wittenberg, Antwerp
90 bgs, Stroock & Wittenberg, Manila
63 baskets, Stroock & Wittenberg, Macassar
606 baskets, 30 cs, 795 bgs, O G Innes Corp, Macassar
277 baskets, Manufacturers Trust Co, Macassar
75 baskets, Chase National Bank, Macassar
130 baskets, G W S Patterson & Co, Macassar
332 baskets, Macassar
102 baskets, Manufacturers Trust Co, Macassar
DAMMAR—100 cs, Chase National Bank, Batavia
100 cs, Manufacturers Trust Co, Batavia
100 cs, American Cyanamid & Chem Co, Batavia
200 cs, Chase National Bank, Batavia
200 cs, Batavia
100 bgs, 400 cs, Thurston & Braidich, Batavia
100 bgs, Stroock & Wittenberg, Batavia
200 cs, 50 bgs, Batavia
GAMBOGE—5 cs, J L Hopkins & Co, Singapore
5 cs, Peek & Velsor, Singapore
10 cs, C Ziegler, Singapore
OLIBANUM—67 bgs, 12 cs, A D Isbetchekian, Bombay
TRAGACANTH—1 cs, S M Grief, Istanbul
HENBANE LEAVES—30 bls, S B Penick & Co, Trieste
HERBS, MED—2 bls, J L Hopkins & Co, Trieste
HOOFS—10 bgs, Flaco Co, Cape Haiti
HOREHOUND LEAVES—20 bls, W Russel Howe, Casablanca
IPECAC ROOT—19 bgs, Wessel, Duval & Co, Cristobal
IRON ORE—7 bxs, E J Lavino & Co, Manila
OXIDE — 270 bbls, Reichard-Coulston, Malaga
POWDER—6 cks, American Transport, Inc, Trieste
KYANITE—450 tons, Golwyne Magnesite & Magnesia Corp, Calcutta
LEMON PEEL—100 bls, J L Hopkins & Co, Messina
MACE—17 cs, Catz American Co, Macassar
19 cs, Macassar
MICA—23 cs, Mercantile Import & Export Co, Calcutta
8 cs, Schwab Bros, Calcutta
2 cs, Ford Radio & Mica Corp, Calcutta
BLOCK—280 cs, Eugene, Calcutta
13 cs, Ford Radio & Mica Corp, Calcutta
31 cs, American Mica Works, Calcutta
13 cs, Ford Radio & Mica Corp, Calcutta
35 cs, A O Schoonmaker Insulation Co, Calcutta
DISCS—4 cs, Ford Radio & Mica Corp, Calcutta
11 cs, American Mica Works, Calcutta
3 cs, Ford Radio & Mica Corp, Calcutta
6 cs, Mercantile Import & Export Co, Calcutta
FILM—31 cs, American Mica Works, Calcutta
28 cs, William Brand & Co, Calcutta
SPLITTINGS—200 cs, Mica Insulating Co, Calcutta
200 cs, A O Schoonmaker Insulation Co, Calcutta
12 cs, Mercantile Import & Export Co, Calcutta
80 cs, Schwab Bros, Calcutta
40 cs, Ford Radio & Mica Corp, Calcutta
MUSTARD SEED—323 bgs, Charles Gulden, Catania
MYROBALANS—889 bgs, Bank of New York, Bombay
NUTMEGS—165 cs, Catz American Co, Macassar
39 bgs, B H Old & Co, Macassar
62 bgs, Macassar
208 bgs, H P Winter & Co, Batavia
35 bgs, Knickerbocker Mills Co, Batavia
100 bgs, Bank of Manhattan, Batavia
100 bgs, Corn Exchange Bank Trust Co, Batavia
NUX VOMICA—337 bgs, Volkart Bros, Saigon
OIL, BERGAMOT—40 cs, Paolo Martino, Messina
30 qtr cs, W J Bush & Co, Messina
CANANGA—5 dms, Batavia
2 dms, Belawan Deli
CITRONELLA—93 cs, Irving Trust Co, Batavia
436 cs, 12 dms, Batavia
32 dms, Batavia
CODLIVER—75 cs, Schieffelin & Co, Oslo
COTTONSEED—660 tons, Santos
ESSENTIAL—1 cs, J W Lyon Co, Curacao
32 cs, Rotterdam
FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
KAPOKSEED—Quantity, Irving Trust Co, Semarang
LEMON—103 cs, Geo Lueders & Co, Messina
LEMONGRASS—10 dms, W J Bush & Co, Cristobal
OLIVE—11 cks, Inter-Maritime Forwarding Co, Palermo
10 cks, American Shipping Co, Palermo
175 cs, Palermo
100 dms, Strohmeyer & Arpe, Piraeus
100 dms, A Guirlain, Piraeus
50 dms, R U Delapenha & Co, Piraeus
50 dms, Schroeder Bros, Piraeus
100 cs, Lisbon
15 dms, Pan American Trust Co, Lisbon
300 cs, Leghorn
26 dms, Bank of Athens, Zante
12 cs, Bari
715 cs, Leghorn
100 dms, Algiers
OLIVE SULPHUR — 152,976 kilos, Smith-Weihman Co, Suda Bay
98,986 kilos, Smith-Weihman Co, Suda Bay
300,000 kilos, Smith-Weihman Co, Vostizza
300,000 kilos, Commercial Bank of Greece, Zante
105,000 kilos, National Bank of Greece, Zante
ORANGE—5 cs, Dodge & Olcott Co, Kingston
20 cs, Ungerer & Co, Kingston
OIL, ORANGE—20 cs, Magnus, Mabee & Reynard, Kingston
52 cs, Dodge & Olcott Co, Messina
PALM—486 tons, Royal Bank of Canada, Belawan Deli
PALMAROSA—6 pots, Volkart Bros, Bombay
2 dms, Sourabaya
PETITGRAIN—6 dms, W R Grace & Co, Buenos Aires
50 cs, Buenos Aires
ROSE—1 cs, Barclay Chem Co, Istanbul
OPIUM—19 cs, Hoffmann-La Roche, Salonica
ORANGE PEEL—26 bgs, Flaco Co, Cape Haiti
174 bgs, Cape Haiti
20 bgs, Caussee Mfg Co, Cape Haiti
PAPRIKA — 98 bgs, Cudahy Packing Co, Trieste
550 bgs, Banco Com'l Italia, Leghorn
629 bgs, Intatro Import & Export Co, Leghorn
100 bgs, Ilia Bezoff, Leghorn
PARAFFIN—10,740 bgs, Asiatic Petroleum Corp, Macassar
PETROLEUM, CRUDE—94,904 bbls, Gulf Oil Corp, Las Piedras
PHOSPHATE ROCK—1 cs, Calcium Carbonate Co, Curacao
PIMENTO—125 bgs, A G Dunn, Kingston
POTASH, METABISULPHITE — 100 cks, Manufacturers Trust Co, Genoa
PRESERVATIVE—5 dms, Western Precipitated Corp, Bergen
PUMICE—1,195 bgs, J H Rhodes & Co, Canneto
50 tons, J H Rhodes & Co, Canneto
510 bgs, C B Chrystal & Co, Canneto
LUMP—200,000 kilos, J H Rhodes & Co, Canneto
10 cks, J H Rhodes & Co, Canneto
QUASSIA CHIPS—250 bgs, R J Prentiss & Co, Kingston
QUEBRACHO EXTRACT—3,254 bgs, Tannin Corp, Buenos Aires
QUICKSILVER—101 flasks, Chase Natl Bank, Tampico
50 flasks, Tampico
RICE FLOUR—200 bgs, A H Schmid, Rotterdam
SENNA LEAVES—128 bls, S B Penick & Co, Karachi
127 bls, Victor Levy, Karachi
SESAME SEED—123 bgs, Levy & Levis Co, Bombay
SHELLAC—975 bgs, 50 cs, Mac Lac Co, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
300 bgs, Mantrose Corp, Calcutta
50 cs, A Hurst & Co, Calcutta
100 bgs, Dings & Schuster, Calcutta
200 bgs, 200 cs, Schwab Bros, Calcutta
750 bgs, 50 cs, E J Cornelis, Calcutta
300 bgs, Calcutta
850 bgs, E E Androvette," Calcutta
BUTTONLAC—100 bgs, Mac Lac Co, Calcutta
GARNETLAC—50 bgs, Gillespie Rogers Pyatt Co, Calcutta
50 bgs, Ralli Bros, Calcutta
SEEDLAC—250 bgs, Ralli Bros, Calcutta
300 bgs, E J Cornelis, Calcutta
SIENNA—200 bgs, J Lee Smith & Co, Leghorn
300 bgs, Reichard Coulston, Leghorn
SILVER COPPER, CONC—1,000 bgs, Watson Geach Co, Antofagasta
SOAP BARK—218 bls, W R Grace & Co, San Antonio
SODA SILICOFLUORIDE—416 cks, Hummel Chem Co, Leghorn
SPONGES—6 bls, Havana
42 bls, Schroeder & Tremayne, Havana
17 bls, J E Bernard & Co, Havana
REFUSE—10 bls, Havana
1 bl, J E Bernard & Co, Havana
112 bls, Johns Mansville Corp, Havana
SQUILL—320 bgs, Irving Trust Co, Trieste
STORAX—50 cs, L A Champon, Izmir
STRAMONIUM LEAVES—9 bls, R J Prentiss & Co, Leghorn
TALC—4,900 bgs, Charles Mathieu, Genoa
TANKAGE—439 bgs, Buenos Aires
TAPIOCA FLAKE—1,004 bgs, Stein, Hall & Co, Sourabaya
FLOUR—880 bgs, Morningstar Nicol, Rio de Janeiro
500 bgs, Sino Java Handel, Cheribon
1,000 bgs, Overton & Co, Cheribon
250 bgs, American Cyanamid & Chem Co, Cheribon
1,100 bgs, H P Winter & Co, Cheribon
500 bgs, Cheribon
1,744 bgs, Stein, Hall & Co, Sourabaya
1,350 bgs, Cheribon
525 bgs, Chase Natl Bank, Cheribon
1,003 bgs, Bank of Manhattan, Cheribon
262 bgs, Irving Trust Co, Batavia
500 bgs, Chase Natl Bank, Cheribon
TARTAR—100 bgs, A Mevi, Palermo
446 bgs, Standard Brands, Naples
TIN BARRILLA—232 bgs, W R Grace & Co, Mollendo
CONCENTRATES—18,046 bgs, Antofagasta
TOLU BALSAM—26 cs, Mecke & Co, Barranquilla
TUBA ROOT—90 bls, Rutger, Bleecker & Co, Singapore
VALONIA—640 bgs, Tannin Corp, Izmir
BEARDS—2,776 bgs, Tannin Corp, Chanak
CUPS—7,119 bgs, Tannin Corp, Chanak
1,865 bgs, Barkey Importing Co, Chanak
VANADIUM—9,434 bgs, Vanadium Corp of America, Callao
VENICE TURPENTINE—50 cs, Bank of Manhattan, Trieste
WAX—1,600 bgs, Asiatic Petroleum Corp, Calcutta
BEES—70 bgs, Wessel, Duval & Co, Rio de Janeiro
1 bl, Analy Corp, Rio de Janeiro
10 bgs, Will Baumer Candle Co, Rio de Janeiro
60 bgs, Manufacturers Trust Co, Rio de Janeiro
17 bgs, American Cyanamid & Chem Co, Rio de Janeiro
100 bgs, Wessel, Duval & Co, Rio de Janeiro
645 bgs, Rio de Janeiro
285 bowls, J W Elwell & Co, Lisbon
3 pkgs, Flaco Co, Cape Haiti
CANDELILLA—1,572 bgs, M Argueso & Co, Tampico
CARNAUBA—111 bgs, American Cyanamid & Chem Co, Rio de Janeiro
224 bgs, Guaranty Trust Co, Rio de Janeiro
165 bgs, W R Grace & Co, Rio de Janeiro
55 bgs, Lenape Trading Co, Rio de Janeiro
111 bgs, Hale, Hamilton & Co, Rio de Janeiro
18 bgs, Bank of London South America, Rio de Janeiro
16 bgs, Chase Natl Bank, Rio de Janeiro
WAX, CERESIN—192 bgs, Asiatic Petroleum Corp, Sourabaya
OZOKERITE—80 bgs, E A B, Trieste
WHITING—300 bgs, Whittaker, Clark & Daniels, Antwerp
WINE LEES—392 bgs, Lisbon
WOLFRAM, CONC—500 bgs, W R Grace & Co, Antofagasta
WOODFLOUR—5,500 bgs, B L Soberski, Oslo
1,800 bgs, Burnet Co, Oslo

New York Transit Imports

CORK DISCS—12 bls, Crown Cork & Seal Co, Lisbon, Toronto
IRON OXIDE — 15 bbls, Reichard-Coulston, Malaga, Montreal
OIL, OLIVE—55 dms, Chas Albert Smith, Algiers, Toronto
PAPRIKA—400 bgs, Russi Bros, Bourgas, Buffalo
PYRETHRUM FLOWERS—28 bls, McKesson & Robbins, Dubrovnik, Bridgeport

Baltimore Imports

FISHMEAL—664 bgs, Montevideo
858 bgs, Buenos Aires
IRON ORE—2,400 tons, Masinloc
4,579 tons, Regent, Narvik
6,914 tons, Narvik
21,500 tons, Steelore, Cruz Grande
MANGANESE ORE—6,100 tons, Santiago
1,000 tons, Calcutta
MYROBALANS—4,312 pockets, Calcutta
QUEBRACHO EXTRACT—531 bgs, Buenos Aires
2,900 bgs, Buenos Aires
WATTLE BARK—1,099 bls, Mombasa
397 bls, Durban
ZINC CONCENTRATES—3,685 tons, Tampico

Boston Imports

GUM, DAMMAR — 100 cs, Chase National Bank, Batavia
IRON OXIDE—175 bbls, Whittaker, Clark & Daniels, Malaga
TAPIOCA FLOUR—300 bgs, Cheribon
1,100 bgs, H P Winter & Co, Cheribon
800 bgs, Cheribon
100 bgs, Stein, Hall & Co, Sourabaya

Charleston Imports

BLOOD, DRIED — 601 bgs, Wilson & Co, Buenos Aires
TAPIOCA FLOUR—500 bgs, Cheribon

Jacksonville Imports

BLOOD, DRIED—730 bgs, Buenos Aires
QUEBRACHO EXTRACT—1,072 bgs, Tannin Corp, Buenos Aires
TANKAGE—1,518 bgs, Wessel, Duval & Co, Buenos Aires

Los Angeles Imports

APRICOT KERNELS—210 lbs, Hongkong
AMMONIA CARBONATE, POWD—11,200 lbs, Glasgow
PHOSPHATE—280,000 lbs, Vancouver
SULPHATE—900 bgs, 89,600 lbs, Vancouver
BABASSU KERNELS—3,360 bgs, 444,450 lbs, Maranhao
CANARY SEED—54,450 lbs, Buenos Aires
CASEIN—22,400 lbs, Melbourne
CLAY, BALL—109,080 lbs, Plymouth
COALTAR, DEHYDRATED—75,000 lbs, London
COCONUTS—14,000 lbs, Colon
2,940 lbs, Champerico
COLORS, WATER—30 lbs, London
COPRA—616,000 lbs, Phil Islands
MEAL—3,304,000 lbs, Manila
10,000 bgs, 1,000,000 lbs, Manila
11,000 bgs, 1,100,000 lbs, Manila
18,200 bgs, 1,820,000 lbs, Manila
DRUGS, CRUDE—310 lbs, Hongkong
FERTILIZER—57,500 lbs, Sydney
FISH LIVERS—138 tins, 5,520 lbs, Japan
419 tins, 16,360 lbs, Yokohama
GINGER ROOT—1,500 lbs, Hongkong
500 lbs, Hongkong
HERBS, CRUDE—610 lbs, Hongkong
LAUREL LEAVES—9,160 lbs, Patras
LIME, HYDRATED—10,100 lbs, Vancouver
PROCESSED—119,790 lbs, Vancouver
LIVER MEAL—55,150 lbs, Buenos Aires
MARJORAM LEAVES—1,100 lbs, Marseilles
MEDICINAL PREPS—10 lbs, Hongkong
30 lbs, Budapest
NUTMEGS—5,000 lbs, Port Spain
OIL, PALM—1,118,810 lbs, Medan
SESAME—120 lbs, Hongkong
PAPRIKA—2,750 lbs, Budapest
PARAFFIN—44,800 lbs, Balik Papan
PEPPER, WHITE—1,120 lbs, Straits Settlement
270 lbs, Batavia
POTASH NITRATE—100,090 lbs, Iquique
QUEBRACHO EXTRACT—91,030 lbs, Buenos Aires
RAPESEED—10,800 lbs, Buenos Aires
RICE FLOUR—180 lbs, Yokohama
SAGO FLOUR—22,400 lbs, Singapore
SHELLAC—32,800 lbs, Calcutta
13,120 lbs, Calcutta
SEEDLAC—65,600 lbs, Calcutta
SODA NITRATE—1,100,100 lbs, Tocopilla
8,146,300 lbs, Tocopilla
STRAMONIUM LEAVES—22,050 lbs, Budapest
TANKAGE—4,480 lbs, Dunedin
TAPIOCA FLOUR—66,270 lbs, Batavia
7,190 lbs, Hongkong
11,470 lbs, Batavia
2,630 lbs, Hongkong
TOILET PREPS—140 lbs, Yokohama
90 lbs, London
WAX, MINERAL, REFD—530 lbs, Sumatra

New Orleans Imports

COCONUTS—10 tons, Belize
GUM, CHICLE—176 tons, Cozumel
125 tons, Belize

Norfolk Imports

TAPIOCA FLOUR—1,540 bgs, Irving Trust Co, Batavia
953 bgs, Batavia
252 bgs, Irving Trust Co, Sourabaya

Philadelphia Imports

BERYLLIUM ORE—1,544 bgs, Santos
BONEMEAL—1,000 bgs, Buenos Aires
CHROME ORE—2,000 tons, Bank of Athens, Aghia Marine
3,000 tons, E J Lavino & Co, Beira
1,600 tons, E J Lavino & Co, Takoradi
CASEIN, GRD—334 bgs, Buenos Aires
FLAXSEED—4,363 tons, Louis Dreyfus & Co, Concepcion
GRAPHITE—250 bgs, Asbury Graphite Mills, Colombo
1,010 kilos, Buenos Aires
LOGWOOD—1,050 tons, American Dye Works, Savanna la Mar
1,000 tons, American Dye Works, Aquin
EXTRACT—50 cks, American Dye Works, Savanna la Mar
MOLASSES—86,240 gls, Commercial Molasses Corp, Niquero
406,010 gls, Commercial Molasses Corp, San Ramon
979,406 gls, Commercial Molasses Corp, Cienfuegos
1,168,551 gls, Mayaguez
MYROBALANS—2,500 bgs, Guaranty Trust Co, Bombay
2,758 bgs, Phila National Bank, Bombay
3,692 bgs, Commercial National Trust Co, Bombay
3,700 bgs, Bank of New York, Bombay
3,200 bgs, Bombay
OIL, FURNACE—87,000 bbls, Standard Oil Co of Penna, Aruba
OIL, OLIVE—100 dms, Ionian Bank, Ltd, Mitylene
50 dms, British & French Bank, Ltd, Mitylene
10 dms, Mitylene
400 cs, Psaki Brothers, Leghorn
100 cs, Cacciola Brothers, Leghorn
PETROLEUM, CRUDE—30,345 bbls, Gulf Oil Corp, Puerto la Cruz
164,789 bbls, Gulf Oil Corp, Las Piedras
PYRITES ORE—8,000 tons, Huelva
QUEBRACHO EXTRACT—4,293 bags, Tannin Corp, Buenos Aires
1,500 bgs, International Products Corp, Buenos Aires
SHELLAC—125 bgs, Ralli Brothers, Inc, Calcutta
1,400 bgs, Gillespie, Rogers, Pyatt Co, Inc, Calcutta
1,000 bgs, Mac Lac Co, Inc, Calcutta
75 bgs, Lind, Mayer & Co, Calcutta
TAPIOCA FLOUR—498 bgs, Irving Trust Co, Sourabaya
360 bgs, Batavia
550 bgs, Chase National Bank, Cheribon
PEARL—335 bgs, National City Bank of New York, Sourabaya
WAX, CARNAUBA—63 bgs, Chase National Bank, Parnahyba
125 bgs, Guaranty Trust Co, Parnahyba

San Francisco Imports

IRON OXIDE—70 bbls, L H Butcher & Co, Malaga

Exports from U.S. Ports

Baltimore Exports

AMMONIA SULPHATE—892 tons, Egypt
INK, PRINTING—92 lbs, Rio Janeiro

Los Angeles Exports

ACETONE—27 dms, 9,670 lbs, Yokohama; 20 dms, 7,160 lbs, Batavia; 30 dms, 10,740 lbs, Beyrouth; 10 dms, 3,580 lbs, Alexandria; 5 dms, 1,790 lbs, Alexandria; 15 dms, 5,370 lbs, Beyrouth
ACID, BORIC—40 bgs, 4,480 lbs, Dunedin; 27 bgs, 3,020 lbs, Lyttelton; 48 bgs, 5,380 lbs, Wellington; 22 bgs, 2,200 lbs, Barranquilla; 85 bgs, 9,520 lbs, Sydney; 20 bgs, 2,240 lbs, Melbourne
CRESYLIC—940 lbs, Manila
MURIATIC—8,700 lbs, Bandoeng; 12 cbys, 1,400 lbs, Ciudad Bolivar
SULPHURIC—30 cbys, 5,250 lbs, Manila
TANNIC—1,130 lbs, Sydney
ALCOHOL, ANHYD—6 dms, 2,150 lbs, Beyrouth
ALUMINUM PASTE—200 lbs, Hongkong
ASPHALT—250 dms, 101,140 lbs, Puntarenas; 6 dms, 2,850 lbs, Yokohama; 1 dm, 450 lbs, Melbourne
EMULSION—35 dms, 16,130 lbs, Melbourne
LIQUID—40 pkgs, 4,050 lbs, Singapore
BARIUM SULPHATE—1,250 lbs, Sydney
BLACK, CARBON—400 lbs, Hongkong
BLEACHING EARTH—2,200 lbs, La Libertad
BORATE—768 bgs, 133,590 lbs, Trieste
BORAX—200 bgs, 22,400 lbs, Bombay; 500 bgs, 56,000 lbs, Shanghai; 500 bgs, 56,000 lbs, Hongkong; 725 bgs, 81,200 lbs, Auckland; 498 bgs, 55,780 lbs, Wellington; 120 bgs, 13,440 lbs, Napier; 599 bgs, 67,090 lbs, Lyttelton; 353 pkgs, 39,540 lbs, Dunedin; 400 cs, 40,000 lbs, Lourenco Marques; 2,984 bgs, 334,210 lbs, Gothenburg; 500 bgs, 66,080 lbs, Malmo; 540 bgs, 71,040 lbs, Sydney; 360 bgs, 40,320 lbs, Melbourne; 3,936 bgs, 444,200 lbs, Basle; 3,936 bgs, 440,830 lbs, Mels, Switzerland; 200 bgs, 22,400 lbs, Istanbul
GLASS—12 bxs, 1,200 lbs, Ciudad Bolivar
BUTYL ACETATE—19 dms, 7,620 lbs, Hongkong; 3 dms, 1,180 lbs, Beyrouth
CALCIMINE—3,920 lbs, Caracas
CHEMICALS—100 lbs, Ciudad Bolivar
CLAY—400 sks, 44,800 lbs, Auckland; 30 dms, 9,000 lbs, Maracaibo
FILTER—68 sks, 3,400 lbs, Wellington; 268 sks, 13,670 lbs, Christchurch; 529 bgs, 29,060 lbs, Durban
CLEANER—190 lbs, Manila; 680 lbs, Iloilo; 50 lbs, Melbourne
COBALT ACETATE—3 dms, 300 lbs, Hongkong
COLORS, DRY—2,250 lbs, Sydney; 1,300 lbs, Vancouver
COTTON LINTERS—400 lbs, Manila; 60 bls, 35,230 lbs, Vancouver
DIATOMACEOUS EARTH — 11,264 bgs 1,113,280 lbs, Liverpool; 551 bgs, 55,100 lbs, Copenhagen; 2,586 bgs, 258,600 lbs, Auckland; 78 bgs, 6,000 lbs, Wellington; 60 bgs, 3,750 lbs, Wellington; 224 bgs, 22,400 lbs, Sydney; 400 bgs, 40,000 lbs, Sourabaya; 935 bgs, 92,400 lbs, Stockholm; 216 bgs, 21,600 lbs, Oporto; 5,511 bgs, 551,100 lbs, Casablanca; 440 bgs, 44,000 lbs, Messina; 1,102 bgs, 110,200 lbs, Marseilles
ETHYL ACETATE—40 dms, 15,880 lbs, Hongkong
LACTATE—2,550 lbs, Hongkong
ETHYLENEGLYCOL MONOBUTYLETHER—5 dms, 2,000 lbs, Hongkong
FLAXSEED—2,000 lbs, Sydney
GASOLINE—78,528 bbls, Sydney; 13,476 bbls, Yokahama; 200 dms, Puntarenas; 6,375 bbls, Ioco
GLYCERIN—1,000 lbs, Manila
GREASE, LUBRIC—40 pkgs, 3,100 lbs, Singapore; 2 bxs, Singapore; 10 cs, Semarang; 10 pkgs, 890 lbs, Sourabaya
GYPSUM—12,010 lbs, Manila
INSECTICIDE—350 lbs, Manila
LIQUID—630 lbs, Manila
POWDER—2,200 lbs, Yokahama
IODINE—200 lbs, Manila
KEROSENE—77 cs, Auckland; 19 dms, Wellington; 12,420 lbs, Ioco
LACQUER, THINNER—12,000 lbs, Manila
LITHARGE—600 lbs, Hongkong; 600 lbs, Ciudad Bolivar
METHYL BROMIDE—310 lbs, Manila
OIL, CASTOR—490 lbs, Auckland
COCONUT—672,000 lbs, Gothenburg
DIESEL—68,374 bbls, Osaka/Nagasaki; 141,108 bbls, Osaka; 105,514 bbls, Nagasaki; 1,403 bbls, Porto Armuelles
ESSENTIAL, COMP—60 lbs, Manila
FUEL—42,463 bbls, Manila; 7,777 bbls, Vancouver
GRAPEFRUIT—110 lbs, Melbourne
LEMON—4,970 lbs, London; 600 lbs, Melbourne
LUBRICATING—53 pkgs, 3 cs, Manila; 1,165 pkgs, Singapore; 50 dms, Bombay; 10 dms, Hongkong; 16 dms, 56 pkgs, Wellington; 25 ctns, Manila; 1 dm, Mexicali; 231 pkgs, Batavia; 28 pkgs, Medan; 73 pkgs, Padang; 1 dm, Bombay; 87 pkgs, Sourabaya; 60 dms, Sydney; 1,010 pkgs, Melbourne; 77 pkgs, Semarang
ORANGE—280 lbs, Auckland; 980 Melbourne
PINE—50 lbs, Auckland
RED—90 lbs, Auckland
ORTHODICHLORBENZENE—120 lbs, Auckland
PAINT—1,500 lbs, Shanghai; 10,880 lbs, Hongkong; 60,990 lbs, Manila; 750 lbs, San Juan; 4,290 lbs, Melbourne
PASTE—120 lbs, Sydney
THINNER—1,430 lbs, Bombay
PECTIN, CITROUS—8,750 lbs, Liverpool; 3,200 lbs, Melbourne
PETROLEUM, CRUDE—68,871 bbls, Yokahama; 63,250 bbls, Ioco
GAS, LIQ—23 cyls, 4,830 lbs, Auckland; 153 cyls; 14,490 lbs, Wellington; 153 cyls, 14,490 lbs, Wellington; 14 cyls, 2,940 lbs, Lyttelton; 86 cyls, 16,070 lbs, Auckland; 136 cyls, 5,440 lbs, Sydney; 102 cyls, 3,470 lbs, Melbourne; 13 cyls, 1,300 lbs, Vancouver
PIGMENTS, DRY—2,950 lbs, Hongkong
PLASTIC, ACOUSTICAL—10,000 lbs, Johannesburg
POLISH—500 lbs, Hongkong; 130 lbs, Rarotonga
POTASH, CAUSTIC—2,000 lbs, Wellington
MURIATE—2,007,040 lbs, San Juan; 1,000 bgs, 199,360 lbs, Cebu
RESIN, SYNTH—1,630 lbs, Melbourne; 90 lbs, Melbourne
RUBBER COMP—150 lbs, Hongkong
SALT, ROCK—50,000 lbs, Auckland
SALTCAKE—100 lbs, Barranquilla
SUMAC EXTRACT—200 lbs, Vancouver
SILICATE—31,360 lbs, Melbourne
SOAP, LAUNDRY—5,000 lbs, St, Thomas
SODA, ASH—9,000 lbs, Wellington; 77,000 lbs, Sourabaya; 308,000 lbs, Batavia; 550 lbs, Ciudad Bolivar
BISULPHATE—4,000 lbs, Vancouver
CARBONATE—2,000 lbs, Vancouver
CAUSTIC—2,550 lbs, Manila; 560 lbs, Iloilo
PHOSPHATE, TRI—3,250 lbs, Bluff
PYROPHOSPHATE—9,000 lbs, Auckland
SILICATE—150,000 lbs, Auckland; 18,000 lbs, Barranquilla
TETRAPHOSPHATE—9,000 lbs, Auckland
TETRAPYROPHOSPHATE — 16,000 lbs, Auckland
STEARIN, WAX—100,000 lbs, Manila
SULPHUR—13,000 lbs, San Jose; 15,000 lbs, Champerico
TALC—90 lbs, Suva; 50 bgs, 5,600 lbs, Bogota
TITANIUM, OXIDE—2,500 lbs, Hongkong
TOILET PREPS—2,820 lbs, Singapore; 1,080 lbs, San Jose; 150 lbs, Capetown; 1,580 pkgs, Sourabaya
TOLUOL—90 lbs, Auckland
WAX—30 lbs, Melbourne
TAPES—150 lbs, Hongkong
ZINC, DUST—3,000 lbs, Ciudad Bolivar
SULPHIDE—600 lbs, Hongkong

New Orleans Exports

ACID, STEARIC—31 tons, Havana
ASPHALT—146 tons, West Coast, South America
BARYTES—30 tons, Havana
BLUE VITRIOL—6 tons, Coatzacoalcos, Mexico
CALCIUM ARSENATE—17 tons, Cristobal
CLAY—9 tons, Havana
FERTILIZER—200 sx, Celba
GASOLINE—83 tons, Puerto Cortez; 74 tons, Belize; 122 tons, Puerto Barrios
GLUCOSE—22 tons, Havana
KEROSENE—100 cs, Puerto Cabezas; 42 tons, Cristobal; 24 tons, Puerto Barrios; 26 tons, Belize; 25 tons, Puerto Limon
LARD—33 tons, Panama City; 109 tons, West Coast South America; 16 tons, Tampico; 87 tons, Havana; 61 tons, Santiago; 122 tons, Barranquilla; 52 tons, Cristobal; 60 tons, Cartagena; 10 tons, Santa Marta; 44 tons, Puerto Limon
MUSTARD—14 tons, Cristobal
OIL, DIESEL—700 bbls, Puerto Cabezas; 725 bbls, Ceiba
FUEL—6,000 bbls, Ceiba; 59 tons, Tela; 59 tons, Belize; 130 tons, Quepos
LUBRICATING—16 tons, West Coast South America; 25 dms, Puerto Cabezas; 11 tons, Puerto Barrios; 15 tons, Cristobal
PAINT—22 tons, East Coast South America
PARAFFIN—5 tons, Panama City; 44 tons, West Coast South America
PETROLEUM TREATING COMP—17 tons, Cartagena
POTASH MURIATE—4 tons, Ceiba
ROSIN—210 tons, West Coast South America; 10 tons, Havana; 21 tons, Cristobal; 11 tons, Cartagena; 13 tons, Barranquilla; 11 tons, Puerto Limon
SALT—159 tons, Havana; 50 sx, Puerto Cabezas; 20 tons, Puerto Barrios; 20 tons, Belize
COARSE—5 tons, Ceiba
SOAP—500 ctns, Puerto Cabezas
SOYBEAN MEAL—50 tons, Havana
SULPHUR—20 tons, Vera Cruz
TANNING EXTRACT—22 tons, Vera Cruz
WAX—40 tons, Havana; 27 tons, Vera Cruz; 45 tons, Cristobal
ZINC—50 tons, Cristobal
DUST—23 tons, Vera Cruz

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Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—53,365 bbls, Richmond; 61,199 bbls, Seattle; 8,608 bbls, San Diego; 6,077 bbls, San Diego; 3,811 bbls, San Diego; 68,390 bbls, San Francisco; 5,665 bbls, San Diego; 53,022 bbls, Seattle; 61,998 bbls, Seattle
OIL, DIESEL—20,323 bbls, Seattle, 1,400 bbls, San Diego; 25,195 bbls, Oleum; 1,060 bbls, San Francisco; 5,139 bbls, San Diego; 21,300 bbls, Seattle; 13,428 bbls, Seattle; 10,213 bbls, Seattle
FUEL—35,688 bbls, San Diego, 50,845 bbls, San Diego; 67,106 bbls, Portland; 7,596 bbls, San Francisco; 65,356 bbls, Avon; 3,374 bbls, Portland; 67,397 bbls, Oleum; 1,234 bbls, Seattle; 54,613 bbls, Seattle
FURNACE—4,450 bbls, Richmond; 17,952 bbls, Oleum; 6,118 bbls, San Francisco; 4,799 bbls, Seattle

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended February 14

Acetic acid, 2 cases; not U.S.P.; false and misleading statements.
Belladonna leaves, 9 bales; not U.S.P.
Codliver oil, 98 drums; restricted use.
Flavoring powder, 25 packages; no quantity of contents statement; false and misleading statements.
Flavoring powder, 11 cases; false and misleading statements.
Medicinal preparation, 6 cases; false and misleading statements.
Nutmegs, 214 bags; restricted use.
Sesame seed, 900 bags; filthy.

Baltimore

Week Ended February 14

Sesame seed, 246 bags; insect infested.

Boston

Week Ended February 14

Medicinal preparations, 8 parcels; dangerous drug.

Philadelphia

Week Ended February 14

Medicinal preparation, 3 cases; not properly labeled.
Mineral water, 2 cases; false therapeutic claims; no quantity of contents statement.

San Francisco

Week Ended February 8

Medicinal, 300 pieces; false therapeutic claims.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Alumina oxide:—Cairo, Egypt; agency (6242).
Aluminum sulphate:—Cairo, Egypt; agency (6242).
Aniline salts:—Cairo, Egypt; purchase and agency (6214).
Castor oil:—Bridgetown, Barbados; purchase and agency (6218).
Chemicals, industrial:—Sao Paulo, Brazil; agency (6179).
Chemicals, reagent:—Sao Paulo; agency (6179).
Codliver oil:—Bridgetown, Barbados; purchase and agency (6218).
Dyes, coaltar:—Alexandria, Egypt; agency (6241).
Dyes, coaltar:—Cairo, Egypt; agency (6242).
Dyestuffs:—Alexandria, Egypt; agency (6249).
Glue:—Johannesburg, South Africa; agency (6174).
Inks:—Alexandria, Egypt; purchase and agency (6248).
Inks:—Damascus, Syria; purchase (6187).
Lacquer dopes:—Athens, Greece; agency (6227).
Manganese chloride:—Stamboul, Turkey; purchase (6212).
Medicines, proprietary:—Bridgetown, Barbados; purchase and agency (6218).
Paint:—Damascus, Syria; purchase (6187).
Paint materials:—Zurich, Switzerland; purchase (6217).
Petrolatum:—Bridgetown, Barbados; purchase and agency (6218).
Pharmaceuticals:—Cairo, Egypt; agency (6261).
Pharmaceuticals:—Cairo, Egypt; purchase and agency (6210).
Pharmaceuticals:—Granada, Nicaragua; agency (6205).
Rosin:—Sao Paulo, Brazil; agency (6213).
Soda hydrosulphite:—Oporto, Portugal; purchase and agency (6216).
Soda nitrate:—Cairo, Egypt; agency (6215).
Superphosphates:—Cairo, Egypt; agency (6215).
Toilet preparations:—Bridgetown, Barbados; purchase and agency (6218).
Turpentine:—Sao Paulo, Brazil; agency (6213).

Bids Wanted

Aluminum Powder:—2,400 pounds; Purchasing Divison, Procurement Division, Treasury Department, Washington; procurement 7620-S5, opening February 20.

Boiler Compound:—44,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 6712; opening March 1.

Castor Oil:—20,000 pounds; Purchasing Agent, Government Printing Office, Washington; opening February 21.

Chemicals:—15 items for water purification; Contracting Officer, Chief of Engineers, Munitions building, Washington; procurement 108, opening February 21.

Drugs:—69 items; Purchasing and Contracting Officer, Medical Section, Army Base; procurement 100, opening February 28.

Enamel:—1,000 gallons; awarded to the Central Paint & Varnish Works, by the Purchasing Officer, Panama Canal Zone, Washington, at 97c. a gallons; procurement R-24256, opening January 5.

Lead, Pig:—200,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3907, opening February 23.

White:—1,000 pounds; Chief Clerk, Federal Correctional Institution, Sandstone, Minn.; procurement 208, opening February 21.

Linseed Oil:—620,000 pounds for Norfolk; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 771, opening February 23.

Lubricating Oils:—Supplies of; Contracing Officer, Material Division, Wright Field, Dayton; procurement 1076, opening March 5.

Naphthalene:—20,000 pounds; awarded to H. H. Rosenthal Company, New York, at 6.47c. per pound, by the Army Quartermaster, Philadelphia; procurement 220, opening February 1.

Nitrocellulose:—1,566,000 pounds; awarded to the Hercules Powder Company, Wilmington, by the Picatinny Arsenal, N. J., at 26.75c. per pound; procurement 458, opened November 1.

Oxygen:—77,000 cubic feet; awarded to the National Cylinder Gas Company, Chicago, by the Army Engineers Corps, Pittsburgh, at .0065 cents per cubic foot; procurement 378, opened December 26.

Paraffin Oil:—8,000 gallons; Commanding Officer, Rock Island Arsenal, Ill.; procurement 675, opening February 26.

Soda Hyposulphite:—62,000 pounds; Contracting Officer, Material Division, Wright Field, Dayton; procurement 1085, opening February 29.

Sulphuric Acid:—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1141, opening February 26.

Superphosphate:—120 tons; Chief Clerk, Department of Agriculture, Soil Conservation Service, Bath, N. Y.; procurement NY-C-1-22, opening February 6.

Trinitrotoluene:—350,000 pounds; awarded to the Trojan Powder Company, Allentown, Pa., by the Picatinny Arsenal, N. J., at 14.7c. per pound; procurement 588, opened November 16.

Zinc Chromate:—4,000 gallons; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 770, opening March 1.

Watchmen Are Covered By Federal Wage-Hour Law

Watchmen are as much engaged in the production of goods for interstate commerce as those operating the production machinery, a Federal judge in North Carolina has ruled in a contempt proceeding in the first instance where the question was raised in court of paying a watchman the minimum wage and overtime rates prescribed by the fair labor standards act.

Crown Cork & Seal Company, Highlandtown, Baltimore, plans the erection of an addition to its warehouse, at the cost of $11,500.

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-eighty-fourth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Barium Hydroxide

(Bario Caustica, Barium Hydrate, Baryte Caustique, Baryte Hydratee, Baryum Caustique, Baryum Hydate, Baryumhydrat, Baryumhydroxyd, Caustic Baryta, Hydrasiertebaryum, Hidrato de Bario, Hydratisiertebaryum, Hydroxyde de Baryte, Hydroxyde Barytique, Hydroxide de Baryum, Idrato di Bario)

Adhesives

Process material in making—
- Adhesives and glues (U. S. 1192783 and 1275799)
- Starch pastes (U.S. 1357310 and 1396315)
- Vegetable glues (U.S. 1357310)

Analysis

Flux in fusing—
- Silicates

Reagent for—
- Albumin
- Glucose
- Phosgene

Reagent in—
- Analytical processes involving control and research in science and industry
- Determining alkalies
- Precipitating magnesium

Saponifying agent for—
- Fats

Cellulose Products

Process material (Brit. 400996) in—
- Hydrolyzing processes for cellulose esters

Treating agent (U.S. 1371300) for—
- Viscose filaments

Cement

Ingredient (U.S. 1502945) of—
- Cement

Chemical

Absorbent (U.S. 1290244) for—
- Carbon dioxide (used with a magnesium salt)

Catalyst (U.S. 1433308) in making—
- Esters

Catalyst promoter (U.S. 1148570 and 1152930) in making—
- Ammonia

Decomposing agent (U.S. 1336709) for—
- Methylhexamethylenetetramine salts

Ingredient (U.S. 1342148) of—
- Powder for generating sodium hydroxide

Precipitant (Brit. 400984 and 404028) for—
- Carbon dioxide or silica encountered as impurity in making sodium aluminate solutions from bauxite

Process material in—
- Organic synthesis
- Decolorizing with carbon (U.S. 1447461)

Process material in making—
- Acetylethyldiethylamine (U.S. 1126549)
- Aluminum oxide (U.S. 1191106)
- Ammonium-silver glycocholate (U.S. 1161866)
- Amyl acetate (U.S. 1491076)
- Amyl formate (U.S. 1491076)
- Antimony sulphide (U.S. 1415127)
- Barium acetylaslicylate (U.S. 1217862)
- Barium aluminate (U.S. 1191106)
- Barium arsenate (U.S. 1188740 and 1417232)
- Barium carbonate (U.S. 1247510)
- Barium chlorate (U.S. 1391858)
- Barium chloride (U.S. 1191106, 1391858, and 1495893)
- Barium cyanamide (U.S. 1506269)
- Barium cyanide (U.S. 1506269)
- Barium dioxide (U.S. 1316133 and 1438377)
- Barium manganate (U.S. 1236693, 1318891, and 1453562)
- Barium permanganate (U.S. 1453562)
- Barium phopsate (U.S. 1213330)
- Barium sulphate (U.S. 1191106 and 1247510)
- Betamethyl-N:N′-tetramethylene-bis-glycin (U.S. 1150579)
- Butyl acetate (U.S. 1491076)
- Catalysts (U.S. 1482740 and 1483412)
- Caustic alkalies from sulphates
- Cuprous chloride (U.S. 1207243)
- Cyanides (U.S. 1408754 and 1506269)
- Esters (U.S. 1491076)
- Ethyl alcohol (U.S. 1284739 and 1284740)
- Ferric arsenate (U.S. 1146373)
- Ferric arsenite (U.S. 1146373)
- Ferric oxide (U.S. 11146373)
- Ferric sulphate (U.S. 1186611)
- Hexamethylenetetramine methylhydroxide (U.S. 1336709)
- 4-Hydroxynaphthalene-1:3-dicarboxylic acid (U.S. 1453659)
- Inulin (U.S. 1399544)
- Manganates and permanganates (U.S. 1232904)
- Metaldehyde (U.S. 1432387)
- Organic preparations of various kinds
- Phenol (U.S. 1301909)
- Potassium aluminate (U.S. 1191106)
- Potassium carbonate (U.S. 1302937)
- Potassium chlorate (U.S. 1247619)
- Potassium chloride (U.S. 1191106 and 1247619)
- Potassium hydroxide (U.S. 1247510, 1247619, and 1302937)
- Potassium sulphate (U.S. 1302937)
- Sodium aluminate (U.S. 1191106)
- Sodium carbonate (U.S. 1302937)
- Sodium chloride (U.S. 1191106)
- Sodium hydroxide (U.S. 1247510, 1249314, and 1302937)
- Sodium sulphate (U.S. 1302937)
- Tetramethylene-bis-glycin (U.S. 1150579)
- Tropic acid (U.S. 1305301)
- Undeconylaminomethyl alcohol (U.S. 1503631)

Regenerating agent (U.S. 1349750) for—
- Ammonium hydroxide

Remover of—
- Sodium hydroxide from sodium carbonate (U.S. 1500994)
- Sulphuric acid from metaldehyde (U.S. 1432387)

Starting point in making—
- Barium salts

Toxicity inhibitor (U.S. 1415325) for—
- Saponin

Dye

Process material (U.S. 1453659) in making—
- Dye intermediates

Electrical

Coating agent (U.S. 1467398) for—
- Vacuum tubes

Ingredient (U.S. 1371746) of—
- Electrolytes

Process material in making—
- Coatings for vacuum tubes (U.S. 1467398)
- Depolarizers for dry batteries (U.S. 1232904 and 1236693)
- Electric insulations (U.S. 1131578 and 1514508)
- Primary battery (U.S. 1489240)
- Storage battery separators (U.S. 1228368)

Explosives

Ingredient of—
- Matchhead composition (U.S. 1290146)

Fats and Oils

Absorbent (U.S. 1438565) for—
- Boiling oil vapors

Process material in making—
- Catalysts
- Hydrogenation catalysts (U.S. 1146373, 1482740, 1426629, and 1482740)

Process material in—
- Refining fats and oils
- Removing fatty acids from fish oils and vegetable oils (U.S. 1247516)

(To be continued)

4-Betadiethylamino-7:8-benzoquinolin

Pharmaceutical

Claimed (Brit. 481874) as—
- Colorless product useful in destroying blood parasites (malaria), amebae, and worm infections

Chloropicrin

(Aquinite, Cloropicrina, Chloropicrine, Chlorpicrin, Chlorpikrin, Klop, Nitrochloroform, Nitrochloroforme, Nitrotrichloromethane, PS, Trichloronitromethane)

Agriculture

Soil disinfectant in—
- Pineapple culture in Hawaii

Chemical

Reactant in—
- Organic synthesis

Starting point in making—
- Ammonium chloride, with gaseous ammonia
- Ammonium nitrate, with gaseous ammonia
- Carbon tetraiodide, with potassium iodide
- Carbonyl chloride (phosgene), with oleum
- Cyanogen chloride by reduction with stannous chloride and hydrochloric acid
- Guanidin by heating with an alcoholic solution of ammonia
- Hexachloroethane
- Methylamine by reduction with iron filings and acetic acid
- Nitrosyl sulphuric acid, with oleum
- Potassium chloride by reaction with alcoholic potash
- Potassium-nitromethane disulphonate, with potassium sulphite
- Sodium chloride, with sodium ethylate
- Sodium nitrite, with sodium ethylate
- Sodium-nitro methane disulphonate, with sodium sulphite
- Tetraethyl orthocarbonate, with sodium ethylate
- Tetramethyl orthocarbonate, with sodium methylate
- Tribromonitromethane (bromopicrin), with potassium bromide

Dye

Starting point in making—
- Crystal violet (U.S. 1402195)
- Methyl violet
- Yellowish-red colors, with mercaptans

Insecticide and Fungicide

Exterminant for—
- Bedbugs
- Buffalo carpet beetles
- Clothes moths
- Cochineal insects
- Cockroaches
- Coffee plantation parasites
- Cottonseed pests
- Document insects
- False moth larvae (found in beehives and movable combs)
- Fleas
- Flour beetles
- Grain weevils
- Hanneton larvae
- Household pests
- Indian meal moth larvae
- Nematode larvae
- Pink bollworm
- Plaque bacilli
- Plaque-carrying pests
- Potato plant and root pests
- Silkworm pupae
- Termites
- Wood-eating insects

Fumigant

Fumigator for—
- Factories
- Grain elevators
- Halls
- Hospitals
- Mills
- Residences
- Ships
- Upholstered furniture
- Warehouses

Fungicide

Ingredient of—
- Flour weevil exterminant (U.S. 2024027)
- Fumigant (admixture with carbon tetrachloride) (U.S. 1502174)
- Grain weevil exterminant (admixture with carbon tetrachloride) (U.S. 1502174)

Insecticide

Repellent for—
- Blowflies
- Screw-worm flies (lubricating oil mixtures)

Marine Products

Dessicator (French 641887) in making—
- Powdered fish products

Military

As a military poison gas (asphyxiant, toxic agent, lachrymator)

Ingredient (U. S. 2146715) of—
- Lachrymatory and irritant compound, containing also chloroacetophenone and chloroform

Starting point in making—
- Bromopicrin
- Phosgene

Miscellaneous

Warning agent (alone or in admixture with methyl bromoacetate) for—
- Hydrocyanic acid gas (operates to warn by its irritant action)
- Illuminating gas
- Other toxic gases

Pest Control

(See also "Insecticide")

Exterminant for—
- Ground squirrels
- Rats
- Mice

Ingredient of—
- Rat exterminators

Pharmaceutical

Purifying agent (French 612075) for—
- Vaccines

Pseudo-pseudo′-octamethylene-di-2:2′-(4:5-dihydroglyoxalin)

Chemical

Starting point (Brit. 492812 and 501522) in making—
- Softening agents
- Textile assistants

1:3:5-Triphenylsulphonylbenzene

Rayon

Delustering agent (U.S. 2069773 and 2069774) for—
- Cuprammonium products
- Nitrocellulose products
- Viscose products

Xylylheptadecyl Ketone, Trichlorinated

Lubricant

Claimed (Brit. 481338 and 487642) as—
- Lubricant

Starting point (Brit. 481338 and 487642) in making—
- Extreme pressure lubricants by admixture in equal parts with Pennsylvania bright stock

INFORMATION similar to the above on 5167 chemicals and related materials is available in a every producer and every manufacturing consumer will find useful every day. **BOOK: $10** Postage paid in U. S. plus 39c postage elsewhere

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

NEW YORK City firm selling in metropolitan area for past 19 years wants manufacturers' representation of a line that can be sold to paint jobbers and manufacturers. Our organization travels five men. BOX 725, Oil, Paint and Drug Reporter.

SWEDISH FIRM established over 15 years with very good relations to the Scandinavian industries and paint manufacturers, would be interested in representing A-1 producers of oils, solvents, chemicals or other raw materials. A. G. Lange, Malmo, Sweden.

Agents Wanted

EXPERIENCED MEN wanted to represent complete line of paints and varnishes in all territories excluding greater New York. Write giving full details as to the district territory. Liberal commissions. Hoboken White Lead & Color Works, Hoboken, N. J.

Capital Offered

IF COLOR manufacturer wants capital, am willing to listen to any proposition. Know the business. BOX 711, Oil, Paint and Drug Reporter.

Capital Wanted

SOUTHERN MANUFACTURER of popular line automotive products needs additional working capital. Prefers to sell interest to man of character and ability who can visualize unlimited possibilities and join in promotion and expansion of business. References exchanged. BOX 719, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE:—One No. 10 Sweetland filter; four 7x5 ft. pebble mills; 9x24 inch and 12x30 inch roller mills; Proctor six truck atmospheric dryer; 3x8 ft. rotary steam tube dryer; No. 00 Raymond mill; Gruendler 50 H.P. hammer mill; Ball and Jewell No. 1 rotary cutter; Stedman 42-inch disintegrator; four 900-gal. closed, jack., agitated kettles; 32-inch copper basket centrifugal; jacketed, agitated vacuum stills; copper, aluminum, steel and glass lined kettles and tanks; Hammer mills; crushers and pulverizers; tablet machines, ½ to 2 inch, single punch and rotary; filter presses to 36 in. sq.; disc filters; iron mills; bottle fillers and washers. Only partial listing. Write for chemical bulletin No. 128 and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

PEBBLE MILLS 1 and 4 gal.—55 gal.; 3 gang iron paint mill; 15 gal. change can mixer; 50 gal. double arm dough mixer. Lawler Engineering Co., Durham avenue and L. V. R. R., Metuchen, N. J.

Equipment Offered

FOR SALE—Two rubber lined wood tanks in good condition; capacities 4,050 and 3,200 gallons. For further specifications write The Globe Chemical Company, Cincinnati, Ohio.

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Wanted

PAINT MANUFACTURER wants fifteen 1000 gal. open tanks with covers for general paint vehicle storage; also 500 gal. sizes or thereabouts. What have you? BOX 740, Oil, Paint and Drug Reporter.

LABORATORY MILL three roller, water cooled, for use in paint factory. Must be in good condition. Size preferred, 4 in. by 8 in. BOX 743, Oil, Paint and Drug Reporter.

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. BOX 712, Oil, Paint and Drug Reporter.

Factories Offered

MODERN FACTORY — One-story, 15,000 sq. ft., 18-20 ft. headroom, sprinklers, concrete floor, 24-hour live steam available, railroad siding. Unrestricted district in Brooklyn. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

Instructions

SPECTRUM, CHEMICAL, micro-chemical, paint, resin analyses. Industrial training by mail; class in Philadelphia. "One thousand laws and rules in chemistry and engineering" — mimeographed book, $1.50 each, written by Dr. Brown. Industrial Consultants, P. O. Box 7515, Philadelphia, Pa.

Investment Offered

INVESTOR—Business man desires to enter lacquer manufacturing field. Seeks interest in established business or contact chemist thoroughly conversant with formulation, manufacturing control, costs, application of lacquers. State full particulars. BOX 736, Oil, Paint and Drug Reporter.

Materials Offered

FOR SALE — 100 tons strontianite; 500 tons rhodocrosite; 100 tons wollastonite; 10 tons germanium ore; 500 pounds barium azide; 100 pounds ferroboron; 25 pounds tantalum carbide; 200 gallons methyl methylmethacrylate monomer. BOX 739, Oil, Paint and Drug Reporter.

Materials Wanted

MANUFACTURERS who have by-products at present going to waste can find a market for same if they will communicate with reliable concern that is experienced in such problems. BOX 717, Oil, Paint and Drug Reporter.

Positions Vacant

MAN with experience and with sufficient poise and ability to hold a supervisory position with a large manufacturer of pharmaceutical products. BOX 722, Oil, Paint and Drug Reporter.

SALESMAN WANTED—For the sale of carbon blacks in eastern territory. Experience in sales to the paint, ink, rubber and allied industries preferred. In reply state age, education, experience and salary expected. Address: Imperial Oil & Gas Products Co., Grant building, Pittsburgh, Pa.

SALES ENGINEER wanted. Young man with basic college education in chemistry plus successful selling experience and practical knowledge of production problems. To uncover new industrial finishing uses of well-known product, show user how to fit it into his scheme of operation—and make the sale! Exceptional opportunity, with highest standing firm, in practically unworked field, for man with combination of qualities needed. Reply in detail giving experience. Confidential. BOX 741, Oil, Paint and Drug Reporter.

SALESMAN, preferably young man, with following paint, ink and rubber trades selling colors, pigments, resins. Give full particulars. BOX 742, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST, 37, experienced in all departments of paints, lacquers and varnishes (oil, cellulose and artificial resins), formulating, analyzing, manufacturing. Experienced in many special products for industrial purposes, seeks position. P. O. Drawer 275, Bristol, Tenn.

SALESMAN-EXPORT—European, 40, recently immigrated, 20 years' technical commercial experience colors, paints, varnishes, brushes. Fluent in Spanish, Italian, French, German, and English. A-1 traveling salesman, perfectly qualified for Latin American trade. Will consider situation in U. S. or abroad for reputable manufacturer. Reference in U. S. Write Alfred Samuel, General Delivery, San Francisco, Calif.

SALESMAN with executive ability, thoroughly experienced marketing diversified lines of industrial chemicals, raw materials, specialties, etc. Would like to hear from reputable manufacturing concern needing a capable representative with clientele. BOX 732, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMICAL ENGINEER, qualified by education, training and experience to solve intricate chemical, metallurgical, paint and pigment problems. Zinc sulphide, lithopone, titanium, iron, cadmium pigments. Spray metals manufacture. Hydrometallurgical processes. Dry colors, research and development, plant operating. BOX 733, Oil, Paint and Drug Reporter.

PHARMACEUTICALS — BIOLOGICALS — Salesman and detail man with fine experience and excellent record wishes to connect with first-class firm with opportunity for advancement. Highest type references. BOX 734, Oil, Paint and Drug Reporter.

SALESMAN, EXPERIENCED wool grease products; thoroughly acquainted consuming trade and source of supply, desires to arrange a permanent connection with established firm. BOX 735, Oil, Paint and Drug Reporter.

ENGINEER—Eight years' practical experience plant operations and maintenance in chemical plant making phenols. Now employed. Desirous position with well established company. Age 32, married. BOX 737, Oil, Paint and Drug Reporter.

CHEMICAL SALESMAN with contacts in metropolitan New York districts; familiar with all phases of marketing; desires to make new connection offering wider opportunity. Linguist. BOX 738, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

HIGHER MARKETS—Sell now. Wanted—surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 23 Fourth avenue, New York. STuyvesant 9-0133.

WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250. Barclay Chemical Company, Inc., 75 Varick street, New York.

SPECIALS

2—Devine 5 ft. x 33 ft. Rotary Vacuum Dryers.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2650 gal.
7—3-roll Roller Mills, up to 16 x 40.
12—Vacuum Shelf Dryers, all sizes.
12—Ball Mills, 10 gal. to 500 gal.
1—Stainless Steel 400 gal. Jacketed Tilting Kettle.
Many other attractive bargains.

2—Nickel Vacuum Stills, 300 gal. with motor driven agitators.
1—Proctor & Schwartz 3-truck Dryer, 720 sq. ft. heating surface.
1—Zaremba Triple effect Evaporator, 2100 sq. ft. per effect.
1—Louisville 5 ft. x 20 ft. Steam Tube Dryer.
1—5 ft. x 22 in. Hardinge Conical Ball Mill.
Send for illustrated bulletin.

LIQUIDATING
FOOD PRODUCTS PLANT
(Name withheld by request)
Cleveland, Ohio
Labellers, Fillers, Cappers, Glass-lined jack. Kettles, Monel jack. Kettle, Nickel Vacuum Stills, Viscolizers, Conveyors, Pumps, etc.
Send for detailed list.

IMPORTANT
Idle machinery ties up capital—takes up valuable space—and depreciates rapidly—turn yours into cash NOW! We want to buy Filter Presses, Kettles, Mixers, Dryers, Pulverizers, Grinders, etc.

Consolidated Products Co., Inc. 13-18 Park Row :: :: New York, N.Y.
SHOPS 335 Doremus Ave., Newark, N.J.

GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST
MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

Trade Ass'n Heads to Hear About Railroad Problems

Trade Association Executives in New York City will hold a luncheon-meeting in the Commodore hotel, February 27. Robert S. Henry, assistant to the president of the Association of American Railroads, will address the group on the problems confronting the railroads.

Carborundum Plant Partly Damaged by Explosion

Niagara Falls, Feb. 15, 1940

An explosion of undetermined origin wrecked the tower section of one building of the Carborundum Company abrasive plant here today. The blast rocked an area of approximately one square mile in the upriver section where this city's chemical and other principal industries are located.

Trade Briefs

Crown Drug Company, Kansas City, January sales totaled $663,992, against $614,683 in January last year.

Perfume report dealing with the manufacture of perfume from native materials in Bermuda is available and will be forwarded upon request to the Chemical Division of the Bureau of Foreign and Domestic Commerce, Washington.

Skelly Oil Company, Tulsa, Okla., has filed a registration statement with the Securities and Exchange Commission covering $10,000,000 of ten-year 3 percent debentures.

Dr. B. W. Kilgore, State chemist for North Carolina, has been given the distinguished service award of the American Farm Bureau Federation for 1939.

Harry R. Hillman, president of the Eagle Paint & Varnish Works, was presented with a bronze plaque by his employees February 7, upon the completion of moving of the plant from the former Brooklyn site to the Hillman building in Long Island city.

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